DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

WM. J. HARRIS, DIRECTOR

BULLETIN 125

COTTON PRODUCTION

1913



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LETTER OF TRANSMITTAL.

DEPARTMENT OF COMMERCE,

BUREAU OF THE CENSUS,

Washington, D. C., May 15, 1914.

SIR:

I have the honor to transmit herewith Census Bulletin 125, which is a report on the production of cotton in 1913. The statistics were collected and compiled by this bureau under the supervision of William M. Steuart, chief statistician for manufactures, assisted by H. J. Zimmerman.

The report is presented in three divisions: (1) Annual production of cotton and linters in the United States, as returned by ginners and delinters, distributed by states and counties, from 1909 to 1913, inclusive, with statistics of production for previous years; (2) world's cotton production from 1909 to 1913, by countries; and (3) consumption, exports, imports, and stocks of cotton in the United States for specified periods, 1906 to 1914, inclusive.

During the season of 1913-14, as in previous years, 10 preliminary reports of cotton ginned to specified dates have been issued. The present report gives the aggregate of the figures included in the preliminary statements, and covers the fifteenth consecutive year for which statistics of cotton ginned have been collected and published by this bureau. Three reports of cotton seed crushed and linters produced were also collected as follows: To December 1, to January 1, and for the season.

In addition to the statistics of production, the bureau publishes each season a complementary report on the supply and distribution of cotton for the year ending August 31, and monthly reports of cotton consumed, imported, exported, and on hand, and of the number of active consuming cotton spindles. The statistics of imports show the countries of production, and those of exports the countries to which exported.

The service of the bureau in disseminating information concerning cotton has been extended during the past year and greater publicity is now being given to the reports of cotton ginned. In prior seasons the quantity of cotton ginned had been published by counties only twice during the year—as of December 13 and for the crop. During the past season information of this character has been given out for each report date, first for separate counties through the local agents of the bureau who have been instructed to furnish the totals to the local newspapers, and finally by summaries, showing comparative statistics by counties, which have been mailed to the newspapers of the respective states. Thus each locality and section is given information of particular interest to it.

In recent years there has been a marked increase in the quantity of linters obtained and a lowering in the average grade of this fiber, due to the closer delinting of the cotton seed. This condition has led to a demand that this product be excluded from the totals of cotton produced and accordingly statistics of lint cotton and of linters are now shown separately.

Very respectfully,

May Harris

Director of the Census.

Hon. WILLIAM C. REDFIELD, Secretary of Commerce.

(5)

COTTON PRODUCTION IN THE UNITED STATES.

A comparative summary is given in Table 1 of the production of cotton and linters in the United States from 1899 to 1913, inclusive, as ascertained from the reports of ginners and delinters.

These statistics are given in running bales, and in equivalent 500-pound bales, and show separately the number of upland square, upland round, sea-island, and linter bales.

TABLE 1.—COMPARATIVE SUMMARY—COTTON AND LINTER PRODUCTION: CROPS OF 1899 TO 1913.

		LINT	ERS.					
GROWTH YEAR.	Running bales, counting round as half bales.	Equivalent 500-pound bales.	Total.	Uplan	ıd.	Sea-island.	Running bales.	Equivalent 500-pound bales.
			10121.	Square.	Round.	sea-island.		
1913	13, 488, 539 15, 553, 073 11, 568, 334 10, 072, 731 13, 086, 005 11, 057, 822 12, 983, 201 10, 495, 105 13, 451, 337 9, 819, 969 10, 588, 250 9, 582, 520 10, 102, 102	14, 156, 486 13, 703, 421 15, 692, 701 11, 608, 616 10, 004, 949 13, 241, 799 11, 107, 179 13, 273, 809 10, 575, 017 13, 438, 012 9, 851, 129 10, 630, 945 9, 509, 745 10, 123, 027 9, 345, 391	14, 032, 792 13, 529, 303 15, 603, 850 11, 624, 777 10, 148, 076 13, 207, 157 11, 157, 096 13, 117, 310 10, 635, 023 13, 599, 412 10, 205, 073 11, 078, 882 9, 954, 945 10, 486, 148 9, 645, 974	13, 855, 267 13, 373, 998 15, 383, 003 11, 421, 522 9, 902, 595 12, 870, 994 10, 871, 652 12, 791, 541 10, 242, 648 13, 198, 944 9, 359, 472 9, 992, 665 9, 132, 215 9, 629, 762 9, 043, 231	99, 962 81, 528 101, 554 112, 887 150, 690 242, 305 198, 549 268, 219 279, 836 296, 151 770, 208 981, 264 744, 851 768, 092 505, 464	77, 563 73, 777 119, 293 90, 368 94, 791 93, 858 86, 895 57, 550 112, 539 104, 317 75, 393 104, 953 77, 879 88, 294 97, 279	631, 153 602, 324 556, 276 397, 628 313, 478 346, 126 268, 060 322, 064 230, 497 245, 973 195, 752 196, 223 166, 026 143, 500 114, 544	638, 881 609, 594 557, 575 397, 072 310, 433 345, 507 268, 282 321, 689 229, 539 241, 942 194, 486 196, 223 166, 026 143, 500 114, 544

The quantity of cotton reported for the crop of 1913, counting round as half bales and excluding linters, is 13,982,811 running bales. With the exception of that of 1911 this is the largest crop the United States has ever produced. Expressed in gross 500-pound bales, the crop amounted to 14,156,486 bales, being 1,536,215 bales, or 9.8 per cent less than that of 1911, but exceeding that of 1912 by 453,065 bales, or 3.3 per cent; that of 1909, the smallest crop in recent years, by 4,151,537 bales, or 41.5 per cent; and that of 1904, the fourth largest crop, by 718,474 bales, or 5.3 per cent. The average annual production of cotton for the first five-year period shown in the table (1899-1903) was 9,892,047 bales; for the second (1904–1908) 12,327,163 bales; and for the last (1909-1913) 13,033,235 bales. The increase in the average annual production during the last period over the second was 706,072 bales, or 5.7 per cent, and over the first, 3.141,188 bales, or 31.8 per cent.

Practically the entire production of cotton in the United States is upland, which includes a number of long-staple varieties, only about one-half of 1 per cent of the total cotton production in 1913 being of the seaisland variety. Although the production of sea-island cotton during the period covered by the table shows variations from 57,550 running bales in 1906 to 119,293 in 1911, there has been no general tendency toward an increase or a decrease in the production of this variety.

The production of linters shows a marked increase during the period covered by the table—from 114,544 bales in 1899 to 638,881 bales in 1913. This gain is due, in part, to the increase in the production of cotton and hence of cotton seed available for delinting, and, in part, to the marked development since 1899 of the cottonseed-products industry, resulting in an increase in the proportion of the total seed supply reginned. The closer delinting of the seed for the better separation of the meat from the hulls, however, is re-

sponsible for a large part of the increase, as many mills now obtain in excess of 100 pounds of linters per ton of seed treated, whereas formerly few obtained as much as 50 pounds. Detailed information regarding cotton seed crushed and linters obtained is presented on pages 30 to 32.

PRODUCTION BY STATES.

Table 2 shows, by states, the quantity of cotton grown in the years 1909 to 1913, inclusive, the percentage of the total crop represented by the crop of each state, the rank of each state according to quantity produced, and the production of linters. The production of cotton for earlier years is shown in Tables 14 and 15.

The cotton crop of 1913, as compared with that of 1912, shows a gain in each of the states, presented separately in Table 2, with the exceptions of North Carolina, Oklahoma, Texas, and Virginia. The production in Alabama, Georgia, South Carolina, and Tennessee was the largest ever reported for these states, except for 1911. Arkansas made its record crop in 1913 and Louisiana showed the largest amount ginned from a single crop since 1908. While the crop in Texas was nearly 1,000,000 bales short of the record crop of 1912, it was exceeded by that and only two others-those of 1906 and 1911. Great variations are shown in the crops of this state in the different years. In 1906 the production was 4,174,206 bales, while the following year it amounted to only 2,300,179 bales. The production then rose to 3,814,485 bales in 1908, to 4,256,427 bales in 1911, and to 4,880,210 bales in 1912. The state produced 25.2 per cent of the total crop of the country in 1909, 26.3 per cent in 1910, 27.1 per cent in 1911, 35.6 per cent in 1912, and 27.9 per cent in 1913.

A large part of the increase in production of cotton in recent years has been due to that in Georgia and South Carolina. The production of cotton in Georgia in 1913, while showing an increase of more than half a million bales, as compared with the previous year, was still 452,026 bales short of the record crop of 1911. The crop of 1913, however, was, in this state, greater than that of 1906 by 724,029 bales, or 45.5 per cent, and in South Carolina by 501,633 bales, or 57.3 per cent.

The production of cotton in Louisiana decreased steadily from 1906 to 1910, though since then there has been some increase. In 1906 the production of the state amounted to 987,779 bales, while in 1910 the amount was only 245,648 bales. This rapid decline was due largely to the ravages of the boll weevil and

to the consequent diversion of cotton lands to the cultivation of sugar cane, rice, and other crops. There has been a tendency to return to the cultivation of cotton in some sections of the state, and it is expected that there will be a further increase in the production.

The Imperial Valley, in the southern part of California, is well suited to the cultivation of cotton. This section has a very rich soil, a warm climate, a long season, and, situated as it is on a lower level than the Colorado River, the further advantage of being easily susceptible to irrigation. The yield is high and the staple has length, strength, and uniformity, characteristics which are very desirable, and due, in part, to the absence of periods of drought or of excessive rains. The high cost of labor for picking cotton, however, is a drawback, while the suitability of the land for other crops undoubtedly restricts, to some extent, this culture.

Cotton has been grown in this locality on a commercial basis for only a few years. There were 5,986 bales ginned in 1910, 9,790 in 1911, 8,215 in 1912, and 22,838 in 1913. It has been reported that the acreage planted to cotton in 1914 would show a large increase over that in 1913, while the probable production is variously estimated from 50,000 to 100,000 bales.

The statistics for California include some cotton grown in Mexico (Lower California) and brought into this country to be ginned. The same conditions of soil and climate are found in the Mexican portion of the Imperial Valley as in the American, while the cost of picking is less because of the availability of Chinese labor. According to official reports, the quantity of unginned cotton imported into the customs district of southern California during the seven months ending March 31, 1914, was 10,814,808 pounds. All of this was cotton from Mexico. When ginned, it was equivalent to about 7,500 bales of lint cotton.

There were 2,299 bales reported as ginned in Arizona from the crop of 1913. The larger part of this cotton has the same characteristics as that grown in Egypt, having been propagated from seed brought from that country. The cotton is grown on irrigated land and the average yield is high. The area to be devoted to this staple in 1914 shows a large increase over that of 1913, the amount being variously estimated from 12,000 to 15,000 acres. The suitability of the land for growing other and possibly more remunerative crops, however, will tend to restrict cotton cultivation in this state.

Table 2.—PRODUCTION, BY STATES, OF UPLAND AND SEA-ISLAND COTTON, WITH PERCENTAGE OF THE TOTAL CROP REPORTED FROM EACH STATE AND RANK OF EACH STATE IN THE PRODUCTION OF COTTON; ALSO THE PRODUCTION OF LINTERS: 1909 TO 1913.

			COTT	ON PRODUCED	(EXCLUSIVE		-			LINTERS.			
STATE	Growth	Running bales	Equivalent bal	500-pound es.		Running b	ales.		Per cent of total	Rankin produc-	D	Equiv 500-poun	alent d bales.
	your.	bales, counting round as half bales.	Gross.	Net.	Total.	Upland.		Sea-		tion,1	Running bales.	Gross.	Net.
						Square.	Round.	island.					
United States	1913 1912 1911 1910 1909	13, 982, 811 13, 488, 539 15, 553, 073 11, 568, 334 10, 072, 731	14, 156, 486 13, 703, 421 15, 692, 701 11, 608, 616 10, 004, 949	13,544,703 13,113,000 15,012,853 11,103,584 9,566,435	14,032,792 13,529,303 15,603,850 11,624,777 10,148,076	13,855,267 13,373,998 15,383,003 11,421,522 9,902,595	99,962 81,528 101,554 112,887 150,690	77,563 73,777 119,293 90,368 94,791	100.0 100.0 100.0 100.0 100.0		631,153 602,324 556,276 397,628 313,478	638,881 609,594 557,575 397,072 310,433	611,110 583,091 533,099 379,576 296,640
Alabama	1913 1912 1911 1910 1909	1,483,669 1,328,297 1,695,284 1,192,179 1,040,137	1, 495, 485 1, 342, 275 1, 716, 534 1, 194, 250 1, 024, 350	1,430,385 1,283,978 1,642,143 1,141,978 978,898	1,489,326 1,332,928 1,701,585 1,197,916 1,049,961	1,478,011 1,323,666 1,688,982 1,186,442 1,030,313	11,315 9,262 12,603 11,474 19,648		10.6 9.8 10.9 10.3 10.2	3 3 3 4 5	53, 860 38, 839 40, 667 29, 046 25, 240	53, 960 39, 161 40, 673 29, 035 25, 426	51,590 37,452 38,884 27,757 24,316
Arkansas	1913 1912 1911 1910 1909	1,038,293 770,937 908,014 798,156 697,603	1,072,846 792,048 939,302 821,233 713,463	1,027,247 758,167 899,396 786,176 682,869	1,040,987 772,170 909,465 800,105 700,748	1,035,600 769,704 906,563 796,206 694,457			7.6 5.8 6.0 7.1 7.1	6 8 8 7 6	40,671 34,084 31,836 26,072 20,514	42, 049 35, 106 32, 994 26, 641 20, 621	40, 259 33, 606 31, 593 25, 494 19, 718
Florida	1913 1912 1911 1910 1909	66,700 58,833 94,471 67,172 61,877	58,695 52,760 83,388 58,949 54,011	56, 374 50, 707 80, 222 56, 700 51, 964	66, 700 58, 833 94, 471 67, 172 61, 877	41, 113 36, 499 53, 201 37, 755 33, 719		25, 587 22, 334 41, 270	0.4 0.4 0.5 0.5 0.6	12 12 12 12 12 11	2,621 1,415 1,955 1,265 1,059	2,409 1,283 1,693 1,100 936	2,293 1,220 1,607 1,045 889
Georgia	1913 1912 1911 1910 1909	2,346,237 1,812,778 2,794,295 1,812,178 1,850,125	2,316,601 1,776,546 2,768,627 1,767,202 1,804,014	2,214,406 1,697,833 2,647,428 1,688,616 1,723,858	2,346,237 1,812,778 2,794,295 1,812,178 1,850,125			43, 305 43, 736 72, 904 47, 935 52, 060	16. 4 13. 0 17. 6 15. 2 18. 0	2 2 2 2 2 2	110,629 76,185 80,313 55,737 51,705	108, 799 74, 909 77, 172 53, 408 49, 262	103, 931 71, 557 73, 638 50, 956 46, 987
Louisiana	1913 1912 1911 1910 1909	430, 865 374, 793 380, 826 246, 788 258, 459	443, 821 376, 096 384, 597 245, 648 253, 412	424, 627 359, 625 367, 873 234, 847 242, 179	437, 729 375, 399 381, 859 248, 593 262, 824	436,000 374,187 379,794 244,984 254,095	1,729 1,212 2,065		3.1 2.7. 2.5 2.1 2.5	9 9 10 10 9	21,823 17,927 18,592 9,587 11,114	22, 368 18, 398 18, 885 10, 085 11, 264	21, 408 17, 609 18, 067 9, 663 10, 775
M ississippi	1913 1912 1911 1910 1909	1,251,841 1,004,376 1,169,066 1,212,104 1,073,105	1,310,743 1,046,418 1,203,545 1,262,680 1,083,215	1,255,662 1,002,225 1,152,106 1,209,347 1,035,998	1, 251, 841 1, 004, 376 1, 169, 066 1, 212, 104 1, 073, 105				9.2 7.6 7.7 10.9 10.8	5 5 5 3 4	60, 766 45, 228 46, 718 42, 315 36, 475	64, 658 47, 881 48, 777 43, 988 37, 461	61, 985 45, 891 46, 721 42, 126 35, 856
Missouri	1913 1912 1911 1910 1909	63, 761 53, 538 91, 119 58, 822 44, 444	67, 105 55, 691 96, 808 59, 633 45, 141	64, 300 53, 336 92, 799 57, 050 43, 185	63, 761 53, 538 91, 119 58, 969 44, 444	63, 761 53, 538 91, 119 58, 674 44, 444	295		0.5 0.4 0.6 0.5 0.5	11 11 11 11 11 12	3,399 2,433 4,217 2,444 1,869	3,538 2,529 4,381 2,526 1,929	3,389 2,422 4,195 2,418 1,847
North Carolina	1913 1912 1911 1910 1909	837, 995 906, 351 1, 126, 276 753, 087 633, 746	792,545 865,653 1,075,826 706,142 60,606	755, 673 825, 774 1, 026, 270 673, 006 572, 722	837, 995 906, 351 1, 126, 276 753, 087 633, 746	837, 995 906, 351 1, 126, 276 753, 087 633, 746			5.6 6.3 6.9 6.1 6.0	8 7 6 8 7	34, 998 28, 729 30, 131 21, 665 16, 140	33, 321 26, 929 28, 955 20, 708 14, 956	31,781 25,665 27,629 19,754 14,246
Oklahoma	1913 1912 1911 1910 1909	842,499 1,005,109 1,016,538 919,842 552,678	840,387 1,021,250 1,022,092 923,063 544,954	803, 974 977, 722 977, 972 883, 044 521, 082	863, 018 1, 026, 890 1, 035, 537 934, 019 566, 596	821, 981 983, 327 997, 539 905, 665 538, 761	41,037 43,563 37,998 28,354 27,835		5.9 7.5 6.5 7.9 5.5	7 6 7 6 8	38,536 52,016 39,260 36,109 21,108	40, 867 54, 857 40, 830 35, 892 21, 115	39,171 52,569 39,103 34,303 20,186
South Carolina	1913 1912 1911 1910 1909	1,418,704 1,224,245 1,692,146 1,210,968 1,137,382	1,377,814 1,182,128 1,648,712 1,163,501 1,099,955	1,315,599 1,128,446 1,574,379 1,110,530 1,050,259	1,418,764 1,224,245 1,692,146 1,210,968 1,137,382	1,410,033 1,216,538 1,687,027 1,197,952 1,122,809		5,119 13,016	9.7 8.6 10.5 10.0 11.0	4 4 5 3	46,580 35,517 36,989 29,572 26,927	45, 016 34, 131 35, 384 28, 428 26, 094	42,966 32,569 33,757 27,127 24,910
Tennessee	1913 1912 1911 1910 1909	366, 786 267, 439 430, 027 321, 103 240, 757	379, 471 276, 546 449, 737 331, 947 246, 630	363, 332 264, 778 430, 816 317, 819 236, 037	366, 786 267, 439 430, 027 321, 103 240, 757	366, 786 267, 439 430, 027 321, 103 240, 757			2.7 2.0 2.9 2.9 2.5	10 10 9 9 10	34, 671 22, 292 28, 815 16, 493 12, 640	35, 739 23, 247 29, 408 17, 529 13, 089	34, 214 22, 266 28, 141 16, 803 12, 533
Texas	1913 1912 1911 1910 1909	3,773,024 4,645,309 4,107,152 2,949,968 2,469,331	3,944,970 4,880,210 4,256,427 3,049,409 2,522,811	3,779,605 4,676,217 4,076,448 2,920,655 2,415,572	3,793,271 4,657,822 4,130,145 2,982,596 2,513,424	3,752,777 4,632,797 4,084,159 2,917,340 2,425,237	40, 494 25, 025 45, 986 65, 256 88, 187		27. 9 35. 6 27. 1 26. 3 25. 2	1 1 1 1	176, 202 243, 314 190, 096 122, 964 85, 189	179, 525 246, 638 191, 221 123, 079 84, 681	171,772 235,932 182,856 117,669 80,932
Virginia	1913 1912 1911 1910 1909	24,569 25,499 31,099 16,095 10,746	23, 490 24, 398 29, 891 14, 815 10, 095	22, 409 23, 276 28, 523 14, 107 9, 623	24,569 25,490 31,099 16,095 10,746	24,569 25,499 31,099 16,095 10,746			0.2 0.2 0.2 0.1 0.1	13 13 13 13 13			
All other 2	1913 1912 1911 1910 1909	31, S68 11, 035 16, 760 9, 872 2, 341	32,513 11,402 17,215 10,144 2,292	31,110 10,916 16,478 9,709 2,189	31,868 11,035 16,760 9,872 2,341	31,868 11,035 16,760 9,872 2,341			0.2 0.1 0.1 0.1 (3)			6, 632 4, 525 7, 202 4, 653 3, 599	6,351 4,333 6,908 4,461 3,445

Based on equivalent 500-pound bales, excluding linters.
 Includes Arizona, California, Kansas, Kentucky, and New Mexico, and the linter production of Illinois.
 Less than one-tenth of 1 per cent.

"BOLLY COTTON."

At the close of each season more or less cotton is damaged by frost, and the bolls do not open fully. Formerly this cotton was considered worthless and no attempts were made to save it. The high price of cotton in recent years, however, has resulted in the devising of machinery for handling unopened bolls. These machines thrash out the seed cotton, after which it is passed to the gins, where it is treated in the same way as hand-picked seed cotton. The quantity of this cotton, usually called "bollies," is increasing, as many establishments, particularly in the western part of the cotton belt, are installing the necessary machinery for treating it. Its value, of course, depends upon its quality.

Believing that data of the quantity of "bollies" included in the totals for the crop of 1913 would be of interest and value, the bureau instructed its local agents to secure from ginners and others during the final canvass information as to this cotton. By reason of the fact that a comparatively small number of the ginneries are equipped to handle this cotton and that, as a rule, the ginners purchase it from the growers before it is ginned, it was believed that most establishments would be able to give definite information as to the amount handled.

However, because of the difficulty and expense of getting cotton picked late in the season, many growers deem it preferable at the last picking to snap the opened and partially opened bolls with the unopened ones and send all through the same machinery. While the grade, and consequently the price, of a portion of this mixed cotton is lowered, the loss on this account is practically balanced by the margin of expense saved in the easier method of gathering. This cotton is sometimes classed as "bollies," although there does not appear to be uniformity in this respect. Accordingly, some of the agents included snapped cotton with "bollies," while others did not, and the results obtained are therefore not as satisfactory as might be desired and fail to reveal the exact quantity saved that formerly would have been altogether lost. They do give, however, a good idea of the quantity of cotton classed as "bollies," which helped to make up the total for the crop of 1913. From the data received it appears that there are about 1,200 ginneries equipped for treating this cotton, and that the total amount was approximately 325,000 bales. Texas and Oklahoma produce nearly all of this cotton, as the winds prevailing in these states dry out the cotton in the unopened frost-bitten bolls, whereas, in some sections where the rainfall is greater, the bolls rot and the cotton can not be recovered.

CONDITIONS AFFECTING THE CROP OF 1913.

The cotton crop of 1913 began with an increased area planted, the revised estimate of the Department of Agriculture, published May 22, 1914, being 37,458,000

acres, as against its estimate of 34,766,000 acres for the crop of 1912. The crop, as a whole, got a late start, but good stands were obtained in practically the entire cotton belt other than the Atlantic Coast states, where much replanting was necessary—probably 25 per cent of their total cotton acreage. During May and June favorable weather conditions prevailed in all sections, offsetting, to a degree, the lateness of the crop and permitting the very late replanted cotton to get a good start. Favorable conditions continued, for the most part, in the Atlantic states and the greater portion of the middle Gulf states, enabling the plants in these sections to mature and fruit, and converting the early discouraging prospects into an excellent harvest. On the other hand, what promised to be a large yield in the area west of the Mississippi was reduced by prolonged drouth and excessive heat to a poor yield, considering that a large percentage of the increased acreage was in this section. The effects of the drouth and heat were especially severe in Oklahoma and only slightly less so in western Arkansas and the northern and western portions of the cottongrowing area of Texas.

An unusually early frost about October 21, and another and more extensive one a week later, killed the plants throughout a large part of the cotton belt and prevented further development of immature bolls. Good weather generally facilitated the harvesting of the crop, although in a few localities, particularly in eastern Texas and in Louisiana, excessive rains somewhat retarded picking and wrought much damage. The high price of the staple prevailing throughout the season encouraged rapid movement of cotton to the ginneries.

COTTON INSECT PESTS IN 1913.

The cotton crop of 1913, in general, was less seriously affected by insect pests than the previous one, although certain large sections suffered more severely than ever before. With the exception of certain sections in northern Texas, where there was some recession in the territory invaded by the weevil, there was an advance all along the line, as compared with 1912. The limits of the territory infested are shown on the map on page 34. It is probable that both Georgia and Tennessee will be invaded by this pest in 1914.

Owing to the general dissemination of information by Federal and state departments of agriculture, the destructiveness of the boll weevil is being greatly reduced. By seed selection, plant improvement, and better methods of cultivation and fertilization, the development of the cotton plant may be so advanced before the activities of the weevil begin as to reduce very materially the damage that may be done by it.

The pink boll worm has caused great damage to Egyptian cotton within very recent years. This pest was imported into Egypt from India and appears to be very injurious to all varieties of cotton. Owing to the discovery of live pink boll worms in recent

importations of cotton seed intended for planting and raw cotton intended for spinning, the Department of Agriculture is now considering measures for the safeguarding of the culture in this country from its ravages. A number of methods have been proposed, among them being an embargo on the importation of Egyptian cotton and cotton seed; restriction of the use of Egyptian cotton to certain localities; and the destruction by burning of all picker waste in establishments where Egyptian cotton is used. Stringent regulations in the use of Egyptian cotton in this country will undoubtedly be made, while action to prevent admission of the pest will be thorough. A quarantine against the importation of cotton seed from Egypt and from Hawaii, where the pink boll worm is also found, has been established. This quarantine applies also to cotton seed produced in certain portions of Mexico and in some other countries infested by cotton pests of various kinds.

For the following statement concerning the status of the boll weevil and other insect pests which affect cotton in the United States, this office is indebted to the Bureau of Entomology of the Department of Agriculture:

The boll weevil.—The cotton boll weevil began the season in somewhat larger numbers than in 1912 and became exceedingly numerous and destructive in south Texas, southern and eastern Louisiana, and southern Mississippi. By reason of the climatic conditions of the winter of 1912–13, much of the territory on the central Black Prairie of Texas became free. The weevils were unable to make heavy inroads on this territory during the season of 1913 because of the intense heat. The dispersion began, as usual, in August, but was checked at an unusually early date by freezes which occurred from October 28 to 30 and from November 9 to 11. These freezes destroyed almost every vestige of food for the weevils and effectively stopped weevil development except in the coastal regions.

The territory invaded for the first time in 1913 included 22,800 square miles, but losses of territory in the north central part of Texas reduce this to a net increase in infested territory of 17,500 square miles. The total area now infested is 296,300 square miles.

One of the most interesting developments from the boll weevil situation was the discovery of a western race of this species breeding on a wild cotton in the mountain canyons of southeastern Arizona, which is capable of breeding in cultivated cotton. It occurs on its native food plant within a short distance of some of the new and growing irrigated cotton sections, and is, therefore, a menace to western cotton. This discovery was followed by experiments which have proven the ability of the boll weevil to sustain life and breed in the buds of one or two other plants nearly related to cotton. This adaptability of the insect may become a complicating factor in the future control of the species.

The cotton caterpillar.—The outbreak of the cotton caterpillar occurred a little later than in 1912 but the worms became generally distributed throughout the Southern states and were also present in the cotton plantings of Arizona. Considerable damage was done in south Texas.

Other injurious cotton insects.—There was a serious outbreak of the cotton boll worm in southeastern North Carolina. The red spider was not as injurious as in preceding years.

COTTON AND LINTERS REMAINING TO BE GINNED.

The special agents were required, at the March canvass, to obtain from each ginner a statement as to the number of bales of cotton remaining to be ginned and from each cottonseed-oil mill the number of bales of linters to be obtained by reginning cotton seed after the date of the canvass. These amounts, which are included in the total production for the crop, are shown separately, by states, in Table 3, for the crops of 1911, 1912, and 1913.

Table 3.—Cotton to be ginned and linters to be obtained after the March canvass, by states: 1911 to 1913.

		ss (runn	ERS TO BE ING BALES			
STATE.	Cot	ton, crop	of—	Lin	ters, crop	of
	1913	1912	1911	1913	1912	1911
United States	29, 267 504 5, 809 15 1, 684 668 4,002 7,758 362 3,382 3,382 2,365	51,894 1,192 3,553 44 1,555 191 11,001 3,072 6,167 1,872 1,791 20,688	157,078 4,878 23,080 163 16,517 1,752 27,943 9,179 28,500 10,887 10,410	56,803 4,702 3,594 66 13,943 2,057 8,172 5,779 586 5,500 4,274 7,062	74,882 2,507 4,107 6,802 2,794 5,443 4,656 7,926 3,359 1,537 35,193	82,068 7,299 4,431 108 14,354 2,356 5,389 7,419 3,863 7,675 4,896 21,370

The quantity of cotton from the crop of 1913, which the ginners stated would be ginned after the date of the March canvass, was 29,267 bales. This is the smallest amount reported for any year covered by the table and reflects the early ginning of the crop. The quantity of linters remaining to be obtained by the oil mills, 56,803 bales, is also smaller than for the earlier years shown in the table.

PERIODICAL COTTON REPORTS.

During the season of 1914–15, as heretofore, practically semimonthly reports of cotton ginned will be issued. The dates to which the statistics of these reports will relate and the dates on which they are expected to be published are presented in the following schedule:

Ginning reports to be issued during the season of 1914-15.

REPORT NUMBER.	Date to which report relates (close of business).	Date of publication (10 a. m.).
1	Soptember 24 October 17 October 31 November 13 November 30 December 12 December 31 January 15	October 2. October 26. November 9. November 21. December 8. December 21. January 9. January 23.

The statistics in these reports show conditions at the close of business on the days to which the reports relate. For every report the canvassing agents are given approximately one week in which to visit the ginneries and secure the returns. Summaries showing the number of bales ginned to a specified date are telegraphed to the bureau on the last day of the canvass. On the following morning these summaries are added and the results given to the public at 10 o'clock.

At the time of telegraphing the summaries the agents are required to mail the individual returns of the ginneries which they have collected and used in preparing these summaries. This method affords a valuable check on the statistics of the report, as the returns are examined and added in the bureau and necessary revisions made in the figures of the published preliminary reports.

Three reports of cotton seed crushed and linters produced will be collected during the season showing quantities to December 1, January 1, and for the crop. These reports will be forwarded to the bureau by mail and the results will be published about the 16th of the month.

There will also be monthly reports of cotton consumed, imported, exported, and on hand, and of active consuming cotton spindles. Each of these will relate to a calendar month and will be published about the 14th of the succeeding month. The data for these reports are gathered in the cotton-growing states by the local agents of the bureau who collect the ginning reports. In all other states the data are secured by correspondence, and, when necessary, by special agents detailed from the bureau.

DISTRIBUTION OF REPORTS.

Within a few hours after the information has been made public all preliminary reports are printed on preaddressed cards and mailed to all ginners, manufacturers, warehousemen, and cottonseed-oil manufacturers, and to all other persons who have requested them. This method of using preaddressed post cards

permits of a more rapid distribution than would otherwise be possible. During the past season an extension of this publicity service was made in that newspapers are now furnished with county totals of cotton ginned, thus providing interesting and valuable information to those most directly concerned. In addition, postmasters are provided with large cards showing the quantity of cotton ginned to each report date and instructed to post them in conspicuous places.

COTTON GINNED TO SPECIFIED DATES.

The collection of statistics of cotton ginned to specified dates was designed to place in the possession of all concerned reliable data as to the rapidity with which the cotton crop is being harvested and ginned. Statistics compiled by this method have, after a series of years, an incidental but very considerable value by reason of the deductions possible to a careful comparison of current reports with those of previous years. The collection of data of this character was inaugurated in 1902. Three reports were made for that crop, six each for the crops of 1903 and 1904, and ten for each crop since. Table 4 shows the quantity of cotton ginned to specified dates from the crops of 1902 to 1913, inclusive, and the percentage of the crop ginned to each report date. As it is not practicable, before the close of the season, to express in equivalent 500-pound bales statistics of the quantity of cotton ginned, the amounts in Table 4 are in running bales, counting round as half bales and excluding linters, and the total amounts for the seasons as thus obtained are used as the bases for the percentages shown in the table.

TABLE 4.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, AND THE PER CENT OF THE TOTAL GINNED TO EACH DATE: 1902 TO 1913.

·	COTTON GINNED TO										
GROWTH YEAR.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	Total ginned,	
					QUANT	ITY (BALES).					
1913	799, 099 730, 884 771, 297 353, 011 388, 242 402, 229 200, 278 407, 551 476, 655 374, 821 17, 302	3, 246, 655 3, 007, 271 3, 676, 594 2, 312, 074 2, 568, 150 2, 590, 639 1, 532, 602 2, 057, 283 2, 355, 716	6, 973, 518 6, 874, 206 7, 758, 621 5, 423, 628 5, 530, 967 6, 296, 166 4, 420, 258 4, 931, 621 4, 990, 566 6, 417, 894 3, 706, 488 5, 683, 006	8, 830, 396 8, 889, 222 9, 970, 905 7, 345, 953 7, 017, 849 8, 191, 557 6, 128, 662 6, 906, 395 6, 457, 595	10, 444, 529 10, 299, 646 11, 313, 236 8, 780, 433 8, 112, 199 9, 595, 800 7, 300, 665 5, 502, 242 7, 501, 180 9, 786, 646 6, 815, 162	12, 088, 412 11, 854, 541 12, 816, 807 10, 139, 712 8, 876, 886 11, 008, 661 8, 343, 396 10, 027, 868 8, 689, 663	12, 927, 428 12, 430, 038 13, 770, 72 10, 695, 443 9, 358, 085 11, 904, 269 9, 284, 070 11, 112, 789 9, 297, 819 11, 971, 477 8, 526, 244 8, 905, 505	13, 347, 721 12, 907, 405 14, 317, 002 11, 084, 515 9, 647, 327 12, 466, 288 9, 951, 505 11, 741, 039 9, 725, 428	13, 582, 036 13, 088, 930 14, 515, 790 11, 253, 147 9, 787, 592 12, 666, 203 10, 339, 551 12, 176, 199 9, 989, 634 12, 767, 600 9, 485, 537	13, 982, 811 13, 488, 531 15, 553, 072 11, 568, 33: 10, 072, 373 13, 090, 004 11, 057, 822 12, 983, 20: 10, 495, 10! 13, 461, 33: 9, 819, 96, 96, 96, 96, 96, 96, 96, 96, 96, 9	
					PER CE	T OF TOTAL.					
913	5.7 5.4 5.0 3.1 3.9 3.1 1.8 3.1 4.5 2.8	23. 2 22. 3 23. 6 20. 0 25. 5 19. 8 13. 9 15. 8 22. 4	49. 9 51. 0 49. 9 48. 9 54. 9 48. 1 40. 0 38. 0 47. 6 47. 7 53. 7	63. 2 65. 8 64. 1 63. 5 69. 7 62. 6 55. 4 53. 2 61. 5	74. 7 76. 4 72. 7 75. 9 80. 5 73. 3 66. 0 65. 9 71. 5 72. 8 69. 4	80. 5 87. 9 82. 4 87. 7 88. 1 84. 1 75. 5 77. 2 82. 8	92. 5 92. 2 88. 5 92. 5 92. 9 91. 0 84. 0 85. 6 89. 6 89. 6	95. 5 95. 7 92. 1 95. 8 95. 8 95. 3 90. 0 90. 4 92. 7	97. 1 97. 0 93. 3 97. 2 96. 8 93. 5 98. 8 95. 2 94. 0 96. 6	100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0	

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

The quantity of cotton ginned from the crop of 1913 prior to September 1 was 799,099 bales, the largest amount for any year since the inauguration of these reports by the Census Bureau, exceeding that of 1911, the next largest, by 27,802 bales. Almost one-half of the total crop was ginned prior to October 18. By November 14 almost three-fourths of the crop had been ginned. This is practically the same as the average for the years shown in the table, the highest percentage (80.5) being shown for 1909 and the lowest (65.9) for 1906.

Data as to the quantity of sea-island cotton ginned to specified dates are presented in Table 10, page 19, and similar data as to cotton put up in round bales are given in the following statement for the crops of 1909 to 1913:

Number of round bales included in reports of cotton ginned to specified dates: 1909 to 1913.

SPECIFIED DATE.	ROUND	ROUND BALES GINNED TO SPECIFIED DATES: CROP OF—									
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1918	1912	1911	1910	1909						
September 1 September 25 October 18 November 1 November 14 December 1 December 1 January 1 January 16 Total	7,610 26,983 49,030 61,577 74,167 86,878 91,686 94,265 96,807 99,962	7, 434 10, 574 41, 745 54, 539 62, 768 73, 030 75, 772 77, 999 78, 690 81, 528	7,709 27,918 53,858 68,313 75,963 87,996 92,790 96,227 97,654 101,554	10,976 38,026 66,183 81,183 93,364 101,718 106,486 109,292 111,079 112,887	11, 587 48, 070 88, 716 109, 621 123, 757 134, 393 140, 024 143, 949 146, 378 150, 690						

Ginnings to specified dates, by states and by counties.—The quantity of cotton ginned to given dates from the crops of 1907 to 1913 and the percentage of the crop ginned to each of the report dates are shown, by states, in Tables 5 and 6. Considerable differences exist among the several states in the proportion of the total amount ginned to the specified dates. For instance, more than two-thirds of the total crop of Texas had been ginned by October 18, while Tennessee showed only a little more than one-third.

The quantity of cotton from the crop of 1913 ginned to each of the report dates is given by counties in Table 22 on pages 47 to 56. This table permits a close study of the rapidity with which cotton is ginned in various localities and enables the making of analyses which are both interesting and valuable. An examination of the table shows that, in a number of counties in southern Texas, a large part of the crop is harvested and ginned prior to September 1, and that by September 25 about 75 per cent of the crop is ginned, a few of the counties in the extreme southern part practically completing the harvesting of the crop by November 1.

An analysis of the periodical statistics of cotton ginned, as shown in Table 5, is presented in Table 7 (p. 16), which gives the number of bales of cotton ginned during each of the report periods, together with the corresponding percentages, for the crops of 1909 to 1913, inclusive.

TABLE 5.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY STATES: 1907 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

					and the second s	ON GINNED	and the second second		***************************************	A COLUMN TO MANAGEMENT AND	
STATE.	Growth year.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	Total.
United States	1913	799,099	3, 246, 655	6, 973, 518	8, 830, 396	10, 444, 529	12,088,412	12,927,428	13, 347, 721	13, 582, 036	13, 982, 811
	1912	730,884	3, 007, 271	6, 874, 206	8, 869, 222	10, 299, 646	11,854,541	12,439,036	12, 907, 405	13, 088, 930	13, 488, 539
	1911	771,297	3, 676, 594	7, 758, 621	9, 970, 905	11, 313, 236	12,816,807	13,770,727	14, 317, 002	14, 515, 799	15, 553, 073
	1910	353,011	2, 312, 074	5, 423, 628	7, 345, 953	8, 780, 433	10,139,712	10,695,443	11, 084, 515	11, 253, 147	11, 568, 334
	1909	388,242	2, 568, 150	5, 530, 967	7, 017, 849	8, 112, 199	8,876,886	9,358,085	9, 647, 327	9, 787, 592	10, 072, 731
	1908	402,229	2, 590, 639	6, 296, 166	8, 191, 557	9, 595, 809	11,008,661	11,904,269	12, 465, 298	12, 666, 203	13, 086, 005
	1907	200,278	1, 532, 602	4, 420, 258	6, 128, 562	7, 300, 665	8,343,396	9,284,070	9, 951, 505	10, 339, 551	11, 057, 822
Alabama	1913	44, 562	325, 735	839, 899	1, 015, 788	1, 181, 232	1,365,246	1,444,212	1, 467, 883	1,475,154	1, 483, 669
	1912	12, 824	192, 310	591, 954	809, 662	961, 313	1,161,482	1,234,755	1, 289, 227	1,307,736	1, 328, 297
	1911	40, 501	360, 244	838, 617	1, 088, 737	1, 239, 211	1,436,076	1,561,136	1, 618, 510	1,638,699	1, 695, 284
	1910	4, 196	201, 488	525, 226	748, 878	895, 894	1,063,498	1,128,470	1, 162, 728	1,174,122	1, 192, 179
	1909	13, 535	187, 832	512, 323	676, 331	805, 849	917,406	987,254	1, 017, 460	1,026,869	1, 040, 137
	1908	26, 298	316, 349	694, 104	891, 667	1, 020, 724	1,175,629	1,265,953	1, 302, 338	1,316,803	1, 332, 003
	1907	8, 132	137, 658	416, 912	609, 297	744, 627	856,596	961,739	1, 032, 177	1,070,090	1, 113, 093
Arkansas	1913	1, 293	70, 086	322, 181	431,522	606, 388	789, 937	885,979	933, 913	967, 687	1,038,293
	1912	81	41, 438	300, 351	440,482	547, 644	659, 505	703,329	732, 118	741, 282	770,937
	1911	170	43, 626	278, 238	444,401	563, 115	680, 434	746,802	786, 329	797, 597	908,014
	1910	28	22, 319	161, 363	324,769	479, 122	625, 226	676,259	724, 100	747, 326	798,156
	1909	449	83, 926	330, 884	472,252	557, 857	613, 939	642,322	657, 357	664, 522	697,603
	1908	323	80, 465	347, 468	536,785	665, 232	776, 461	847,312	910, 423	931, 133	996,093
	1907	75	10, 133	163, 371	291,143	385, 528	484, 181	572,418	626, 551	666, 810	751,851
Florida	1913	2,960	16, 367	35, 956	47, 315	53, 217	58, 485	63, 082	65, 299	65, 765	66, 700
	1912	1,832	9,770	23, 575	35, 362	42, 263	48, 630	52, 895	56, 042	57, 324	58, 833
	1911	3,796	21,510	43, 009	56, 070	65, 236	74, 056	81, 952	86, 421	88, 177	94, 471
	1910	608	11, 252	27, 238	38, 924	46, 847	54, 396	60, 082	63, 105	64, 778	67, 172
	1909	3,542	19,581	35, 006	45, 664	51, 612	56, 132	58, 556	60, 138	60, 765	61, 877
	1908	2,524	16,657	34, 027	43, 234	51, 497	58, 603	64, 131	66, 855	68, 624	70, 598
	1907	942	7,868	19, 863	28, 626	35, 454	40, 681	45, 685	50, 085	53, 486	56, 668
Georgia	1913	72,352	491,511	1,296,911	1,606,506	1,823,789	2,066,109	2,215,308	2, 293, 976	2,314,101	2,346,237
	1912	34,526	272,335	793,143	1,112,419	1,331,709	1,564,428	1,675,670	1,756, 834	1,781,232	1,812,778
	1911	134,431	765,697	1,552,718	1,908,764	2,106,305	2,339,354	2,517,857	2, 623, 917	2,657,984	2,794,295
	1910	20,491	365,407	912,612	1,241,825	1,436,997	1,625,573	1,706,816	1,762, 070	1,779,902	1,812,178
	1909	106,301	536,212	1,113,341	1,384,913	1,559,828	1,673,301	1,766,070	1,813, 112	1,827,923	1,850,125
	1908	64,693	514,898	1,119,228	1,387,641	1,564,037	1,739,657	1,868,963	1,930, 783	1,952,113	1,977,050
	1907	34,822	342,704	878,643	1,202,485	1,388,694	1,518,199	1,632,463	1,725, 965	1,771,832	1,860,323
Louisiana.	1913	7,449	77, 865	164, 034	222, 464	276, 271	342, 383	391, 454	410, 614	420,384	436, 86 5
	1912	1,724	73, 992	203, 127	261, 701	300, 482	343, 323	361, 123	366, 402	369,076	374, 793
	1911	8,120	89, 069	176, 904	232, 245	269, 548	313, 624	340, 304	352, 503	357,758	380, 826
	1910	1,101	45, 799	113, 770	154, 634	183, 818	217, 956	233, 347	240, 170	242,677	246, 788
	1909	3,450	62, 616	143, 977	188, 112	217, 433	238, 675	248, 643	252, 188	253,927	258, 459
	1908	4,618	79, 042	207, 992	287, 885	341, 953	394, 918	435, 603	453, 210	458,762	466, 543
	1907	756	45, 750	180, 720	280, 144	351, 241	424, 433	501, 612	560, 780	598,439	062, 032
Mississippi	1913 1912 1911 1910 1909 1908 1907	2,052 442 1,865 538 1,670 4,330	120, 593 57, 393 96, 829 83, 768 96, 825 199, 001 71, 043	435, 690 347, 130 386, 016 358, 851 390, 096 621, 399 410, 065	568, 005 511, 678 584, 199 576, 641 572, 131 893, 148 634, 605	734,988 644,554 719,638 759,152 731,354 1,086,183 794,092	955, 808 817, 707 892, 495 970, 626 869, 368 1, 297, 677 955, 414	1, 084, 680 883, 458 996, 601 1, 066, 216 956, 509 1, 441, 947 1, 120, 908	1,142,921 936,419 1,047,299 1,131,562 1,005,903 1,522,160 1,230,127	1, 176, 539 952, 520 1, 061, 859 1, 157, 457 1, 028, 418 1, 551, 792 1, 287, 389	1, 251, 841 1, 004, 376 1, 169, 066 1, 212, 104 1, 073, 105 1, 620, 325 1, 442, 881
North Carolina	1913 1912 1911 1910 1909 1908 1907	177 674 1, 245 1, 070 101 43	49, 952 101, 683 156, 390 46, 051 80, 498 89, 063 40, 388	252, 193 356, 226 438, 266 250, 141 255, 040 276, 222 216, 104	384, 260 496, 537 597, 940 386, 096 370, 891 373, 713 326, 979	493, 360 627, 251 716, 200 494, 920 466, 797 451, 434 399, 050	622, 369 754, 569 828, 660 615, 637 535, 653 554, 346 468, 447	708, 598 819, 662 913, 944 664, 722 581, 954 615, 736 523, 257	759, 800 857, 189 975, 223 702, 150 605, 693 647, 505 565, 207	783, 817 875, 493 996, 988 718, 405 615, 529 661, 669 591, 851	837, 995 906, 351 1, 126, 276 753, 087 633, 746 683, 628 637, 961
Oklahoma	1913 1912 1911 1910 1909 1908 1907	5, 106 272 4, 255 398 1, 370 8	148,979 77,394 116,328 110,530 134,377 5,705 31,422	391, 258 398, 345 396, 739 421, 625 329, 429 132, 556 240, 210	536, 303 599, 190 554, 933 585, 237 412, 631 217, 629 373, 568	666, 736 725, 006 657, 497 727, 654 476, 471 322, 051 484, 657	764, 295 869, 278 783, 989 829, 387 505, 584 431, 054 598, 723	789,782 902,329 862,838 868,561 514,535 494,984 685,595	804, 313 947, 452 900, 409 895, 926 525, 610 585, 010 742, 042	825,069 965,752 915,563 905,051 532,803 612,144 782,790	842, 499 1,005, 109 1,016,538 919,842 552,678 689,345 848,977
South Carolina	1913	7, 264	193, 318	619,720	846, 468	995, 398	1,160,725	1,276,428	1,342,737	1,368,774	1,418,704
	1912	4, 260	174, 251	540,319	730, 690	883, 535	1,041,689	1,128,850	1,173,216	1,192,574	1,224,245
	1911	19, 364	338, 090	788,927	1,022, 614	1, 163, 984	1,310,963	1,423,383	1,508,753	1,536,085	1,692,146
	1910	208	160, 521	516,232	729, 117	888, 291	1,036,889	1,107,556	1,154,003	1,175,905	1,210,968
	1909	18, 949	285, 401	624,301	791, 629	913, 440	998,158	1,064,819	1,100,309	1,114,533	1,137,382
	1908	9, 399	289, 969	660,678	821, 608	938, 926	1,051,550	1,134,183	1,176,220	1,192,723	1,215,848
	1907	3, 041	185, 656	537,273	735, 994	851, 361	943,868	1,014,356	1,065,876	1,093,416	1,163,565
Tennessee	1913 1912 1911 1910 1909 1908 1907	9 5 4 6	18, 359 990 15, 541 1, 602 17, 152 28, 109 2, 474	131, 933 66, 719 125, 791 57, 769 101, 250 131, 073 60, 644	174, 379 118, 485 211, 128 129, 849 148, 670 198, 783 108, 068	233, 663 158, 161 264, 777 192, 213 183, 529 243, 493 139, 959	304, 467 208, 721 319, 970 249, 927 206, 297 279, 654 177, 048	340, 685 230, 239 360, 510 269, 670 221, 465 302, 627 204, 450	354, 324 248, 503 381, 281 289, 299 226, 791 317, 010 225, 292	358, 275 252, 890 386, 293 298, 615 228, 915 321, 727 238, 404	368, 786 267, 439 430, 027 321, 103 240, 757 334, 084 266, 433
Texas.:	1913	655,871	1,727,639	2, 451, 279	2, 950, 444	3, 313, 443	3,572,105	3,627,190	3,664,496	3, 715, 418	3,773,024
	1912	674,249	2,002,975	3, 229, 621	3, 709, 725	4, 020, 939	4,314,821	4,368,915	4,461,746	4, 509, 220	4,645,309
	1911	557,544	1,667,875	2, 700, 037	3, 211, 572	3, 473, 702	3,747,932	3,862,143	3,926,059	3, 964, 620	4,107,152
	1910	325,435	1,263,212	2, 070, 261	2, 405, 157	2, 636, 696	2,794,125	2,849,259	2,888,393	2, 914, 166	2,949,968
	1909	237,901	1,061,558	1, 675, 428	1, 920, 188	2, 104, 329	2,213,144	2,262,938	2,328,148	2, 377, 894	2,469,331
	1908	289,928	966,607	2, 047, 796	2, 502, 862	2, 863, 528	3,193,096	3,368,874	3,486,007	3, 528, 981	3,627,350
	1907	152,257	657,423	1, 289, 324	1, 523, 147	1, 705, 529	1,849,262	1,989,968	2,091,667	2, 145, 695	2,208,021
All other states 1	1913 1912 1911 1910 1909 1908 1907	4 1 4 1 1	6, 251 2, 740 5, 395 125 2, 172 4, 774 83	32, 464 23, 696 33, 359 8, 540 19, 892 23, 623 7, 129	46, 942 43, 291 58, 302 24, 835 34, 437 36, 602 14, 506	66, 044 56, 789 74, 023 38, 829 43, 700 46, 751 19, 573	86, 483 70, 388 89, 245 56, 472 49, 229 56, 016 26, 544	100, 030 77, 811 103, 257 64, 485 53, 020 63, 956 31, 619	107, 445 82, 257 110, 298 71, 009 54, 618 67, 777 35, 736	111, 053 83, 831 114, 176 74, 743 55, 494 69, 732 39, 349	120, 198 90, 072 138, 978 84, 789 57, 531 73, 138 46, 017

¹ Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia.

TABLE 6.—PER CENT OF THE TOTAL COTTON GINNED TO SPECIFIED DATES, BY STATES: 1907 TO 1913.

[Based on figures given in Table 5.]

	Growth			PER	CENT OF TO	TAL COTTO	N GINNED T	20—		
STATE.	year.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.
United States	1913 1912 1911 1910 1909 1908 1907	5.7 5.4 5.0 3.1 3.9 3.1 1.8	23. 2 22. 3 23. 6 20. 0 25. 5 19. 8 13. 9	49. 9 51. 0 49. 9 46. 9 54. 9 48. 1 40. 0	63. 2 65. 8 64. 1 63. 5 69. 7 62. 6 55. 4	74.7 76.4 72.7 75.9 80.5 73.3 66.0	86. 5 87. 9 82. 4 87. 7 88. 1 84. 1 75. 5	92. 5 92. 2 88. 5 92. 5 92. 9 91. 0 84. 0	95. 5 95. 7 92. 1 95. 8 95. 8 95. 3 90. 0	97. 1 97. 0 93. 3 97. 3 97. 2 96. 8 93. 5
Alabama	1913 1912 1911 1910 1909 1908 1907	3. 0 1. 0 2. 4 0. 4 1. 3 2. 0 0. 7	22. 0 14. 5 21. 2 16. 9 18. 1 23. 7 12. 4	56. 6 44. 6 49. 5 44. 1 49. 3 52. 1 37. 5	68. 5 61. 0 64. 2 62. 8 65. 0 66. 9 54. 7	79. 6 72. 4 73. 1 75. 1 77. 5 76. 6 66. 9	92. 0 87. 4 84. 7 89. 2 88. 2 88. 3 77. 0	97. 3 93. 0 92. 1 94. 7 94. 9 95. 0 86. 4	98. 9 97. 1 95. 5 97. 5 97. 8 97. 8	99. 4 98. 5 96. 7 98. 5 98. 7 98. 9
Arkansas	1913 1912 1911 1910 1909 1908 1907	0.1 (1) (1) (1) 0.1 (1) (1)	6.8 5.4 4.8 2.8 12.0 8.1 1.3	31. 0 39. 0 30. 6 20. 2 47. 4 34. 9 21. 7	41. 6 57. 1 48. 9 40. 7 67. 7 53. 9 38. 7	58. 4 71. 0 62. 0 60. 0 80. 0 66. 8 51. 3	76. 1 85. 5 74. 9 78. 3 88. 0 78. 0 64. 4	85.3 91.2 82.2 84.7 92.1 85.1 76.1	89. 9 95. 0 86. 6 90. 7 94. 2 91. 4 83. 3	93. 2 96. 2 87. 8 93. 6 95. 3 93. 5 88. 7
Florida	1913 1912 1911 1910 1909 1908 1907	4.4 3.1 4.0 0.9 5.7 3.6 1.7	24. 5 16. 6 22. 8 16. 8 31. 6 23. 6 13. 9	53. 9 40. 1 45. 5 40. 5 56. 6 48. 2 35. 1	70. 9 60. 1 59. 4 57. 9 73. 8 61. 2 50. 5	79. 8 71. 8 69. 1 69. 7 83. 4 72. 9 62. 6	87.7 82.7 78.4 81.0 90.7 83.0 71.8	94. 6 89. 9 86. 7 89. 4 94. 6 90. 8 80. 6	97. 9 95. 3 91. 5 93. 9 97. 2 94. 7 88. 4	98. 6 97. 4 93. 3 96. 4 98. 2 97. 2 94. 4
Georgia	1913 1912 1911 1910 1909 1908 1907	3.1 1.9 4.8 1.1 5.7 3.3 1.9	20. 9 15. 0 27. 4 20. 2 29. 0 26. 0 18. 4	55. 3 43. 8 55. 6 50. 4 60. 2 56. 6 47. 2	68. 5 61. 4 68. 3 68. 5 74. 9 70. 2 64. 6	77. 7 73. 5 75. 4 79. 3 84. 3 79. 1 74. 6	88. 1 86. 3 83. 7 89. 7 90. 4 88. 0 81. 6	94.4 92.4 90.1 94.2 95.5 94.5 87.8	97. 8 96. 9 93. 9 97. 2 98. 0 97. 7 92. 8	98. 6 98. 3 95. 1 98. 2 98. 8 98. 7 95. 2
Louisiana	1913 1912 1911 1910 1909 1908 1907	1.7 0.5 2.1 0.4 1.3 1.0 0.1	17. 8 19. 7 23. 4 18. 6 24. 2 16. 9 6. 9	37. 5 54. 2 46. 5 46. 1 55. 7 44. 6 27. 3	50. 9 69. 8 61. 0 62. 7 72. 8 61. 7 42. 3	63. 2 80. 2 70. 8 74. 5 84. 1 73. 3 53. 1	78. 4 91. 6 82. 4 88. 3 92. 3 84. 6 64. 1	89: 6 96: 4 89: 4 94: 6 96: 2 93: 4 75: 8	94. 0 97. 8 92. 6 97. 3 97. 6 97. 1 84. 7	96. 2 98. 5 93. 9 98. 3 98. 2 98. 3
Mississippi	1913 1912 1911 1910 1909 1908 1907	0.2 (1) 0.2 (1) 0.2 0.3 (1)	9.6 5.6 8.3 6.9 9.0 12.3	34. 8 34. 5 33. 0 29. 6 36. 4 38. 4 28. 4	45. 4 50. 9 50. 0 47. 6 53. 3 55. 1 44. 0	58. 7 64. 2 61. 6 62. 6 68. 2 67. 0 55. 1	76. 4 81. 4 76. 3 80. 1 81. 0 80. 1 66. 2	86.6 88.0 85.2 88.0 89.1 89.0 77.7	91. 3 93. 2 89. 6 93. 4 93. 7 93. 9 85. 3	94. 0 94. 8 90. 8 95. 5 95. 8 95. 8
North Carolina	1913 1912 1911 1910 1909 1908 1907	(1) 0.1 (1) 0.2 (1)	6. 0 11. 2 13. 9 6. 1 12. 7 13. 0 6. 3	30. 1 39. 3 38. 9 33. 2 40. 2 40. 4 33. 9	45. 9 54. 8 53. 1 51. 3 58. 5 54. 7 51. 3	58. 9 69. 2 63. 6 65. 7 73. 7 66. 0 62. 6	74.3 83.3 73.6 81.7 84.5 81.1 73.4	84.6 90.4 81.1 88.3 91.8 90.1 82.0	90. 7 94. 6 86. 6 93. 2 95. 6 94. 7 88. 6	93. 5 96. 6 88. 5 95. 4 97. 1 96. 8 92. 8
Ó klahoma	1913 1912 1911 1910 1909 1908 1907	0.6 (1) 0.4 (1) 0.2 (1) (1)	17.7 7.7 11.4 12.0 24.3 0.8 3.7	46. 4 39. 6 39. 0 45. 8 59. 6 19. 2 28. 3	63. 7 59. 6 54. 6 63. 6 74. 7 31. 6 44. 0	79. 1 72. 1 64. 7 79. 1 86. 2 46. 7 57. 1	90. 7 86. 5 77. 1 90. 2 91. 5 62. 5 70. 5	93. 7 89. 8 84. 9 94. 4 93. 1 71. 8 80. 8	95. 5 94. 3 88. 6 97. 4 95. 1 84. 9	97. 9 96. 1 90. 1 98. 4 96. 4 88. 8
South Carolina	1913 1912 1911 1910 1909 1908 1907	0.5 0.3 1.1 (1) 1.7 0.8 0.3	13. 6 14. 2 20. 0 13. 3 25. 1 23. 8 16. 0	43. 7 44. 1 46. 6 42. 6 54. 9 54. 3 46. 2	59. 7 59. 7 60. 4 60. 2 69. 6 67. 6 63. 3	70. 2 72. 2 68. 8 73. 4 80. 3 77. 2 73. 2	81.8 85.1 77.5 85.6 87.8 86.5	90.0 92.2 84.1 91.5 93.6 93.3 87.2	94. 6 95. 8 89. 2 95. 3 96. 7 96. 7 91. 6	96. 5 97. 4 90. 8 97. 1 98. 0 98. 1
Tennessee.	1913 1912 1911 1910 1909 1908 1907	(1) (1) (1) (1) (1)	5. 0 0. 4 3. 6 0. 5 7. 1 8. 4 0. 9	36. 0 24. 9 29. 3 18. 0 42. 1 39. 2 22. 8	47. 5 44. 3 49. 1 40. 4 61. 8 59. 5 40. 6	63. 7 59. 1 61. 6 59. 9 76. 2 72. 9 52. 5	83. 0 78. 0 74. 4 77. 8 85. 7 83. 7 66. 5	92. 9 86. 1 83. 8 84. 0 92. 0 90. 6 76. 7	96. 6 92. 9 88. 7 90. 1 94. 2 94. 9 84. 6	97. 7 94. 6 89. 8 93. 0 95. 1 96. 3 89. 5
Texas.	1913 1912 1911 1910 1909 1908 1907	17. 4 14. 5 13. 6 11. 0 9. 6 8. 0 6. 9	45. 8 43. 1 40. 6 42. 8 43. 0 26. 6 29. 8	65. 0 69. 5 65. 7 70. 2 67. 8 56. 5 58. 4	78. 2 79. 9 78. 2 81. 5 77. 8 69. 0 69. 0	87.8 86.6 84.6 89.4 85.2 78.9 77.2	94.7 92.9 91.3 94.7 89.6 88.0 83.8	96. 1 94. 0 94. 0 96. 6 91. 6 92. 9 90. 1	97. 1 96. 0 95. 6 97. 9 94. 3 96. 1 94. 7	98. 5 97. 1 96. 5 98. 8 96. 3 97. 3
All other states 2	1913 1912 1911 1910 1909 1908 1907	(1) (1) (1) (1) (1) (1)	5. 2 3. 0 3. 9 0. 1 3. 8 6. 5 0. 2	27. 0 26. 3 24. 0 10. 1 34. 6 32. 3 15. 5	39.1 48.1 42.0 29.3 59.9 50.0 31.5	54. 9 63. 0 53. 3 45. 8 76. 0 63. 9 42. 5	72. 0 78. 1 64. 2 66. 6 85. 6 76. 6 57. 7	83. 2 86. 4 74. 3 76. 1 92. 2 87. 4 68. 7	89. 4 91. 3 79. 4 83. 7 94. 9 92. 7 77. 7	92. 4 93. 1 82. 2 88. 2 96. 5 95. 3

¹ Less than one-tenth 1 of per cent.

² Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia.

Table 7.—QUANTITY OF COTTON AND PERCENTAGE OF THE TOTAL GINNED DURING EACH PERIOD BETWEEN REPORT DATES: CROPS OF 1909 TO 1913.

[Quantities are given in running	bales, except that round b	pales are counted as half bales.	Linters are not included.]

	1913		1912		1911		1910		1909	
PERIOD.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.
Total	13,982,811	100.0	13, 488, 539	100.0	15, 553, 073	100.0	11, 568, 334	100.0	10,072,731	100.0
Prior to Sept. 1. Sept. 1 to Sept. 25. Sept. 25 to Oct. 18. Oct. 18 to Nov. 1. Nov. 1 to Nov. 14.	799, 099 2, 447, 556 3, 726, 863 1, 856, 878 1, 614, 133	5. 7 17. 5 26. 6 13. 3 11. 5	730, 884 2, 276, 387 3, 866, 935 1, 995, 016 1, 430, 424	5. 4 16. 9 28. 7 14. 8 10. 6	771, 297 2, 905, 297 4, 082, 027 2, 212, 284 1, 342, 331	5. 0 18. 7 26. 2 14. 2 8. 6	353, 011 1, 959, 063 3, 111, 554 1, 922, 325 1, 434, 480	3. 1 16. 9 26. 9 16. 6 12. 4	388, 242 2, 179, 908 2, 962, 817 1, 486, 882 1, 094, 350	3. 9 21. 6 29. 4 14. 8 10. 8
Nov. 14 to Dec. 1. Dec. 1 to Dec. 13. Dec. 13 to Jan. 1. Jan. 1 to Jan. 16. After Jan. 15.	1,643,883 839,016 420,293 234,315 400,775	11.8 6.0 3.0 1.7 2.9	1, 554, 895 584, 495 468, 369 181, 525 399, 609	11.5 4.3 3.5 1.3 3.0	1,503,571 953,920 546,275 198,797 1,037,274	9.7 6.1 3.5 1.3 6.7	1,359,279 555,731 389,072 168,632 315,187	11. 7 4. 8 3. 4 1. 5 2. 7	764, 687 481, 199 289, 242 140, 265 285, 139	7. 6 4. 8 2. 9 1. 4 2. 8

The period from September 25 to October 18 shows the largest ginnings for each of the years given in the table. This is to be expected, however, inasmuch as this period covers 23 days during a time of great activity in the harvesting of cotton, while most of the other periods are shorter. In 1913, 26.6 per cent of the total crop was ginned during this period, as compared with 28.7 per cent in 1912, 26.2 per cent in 1911, 26.9 per cent in 1910, and 29.4 per cent in 1909. The variations in the proportion of the total ginned during the period from November 1 to November 14 are rather pronounced, the percentages ranging from 8.6 in 1911 to 12.4 in 1910. The quantity ginned during any period is obviously affected by the weather conditions and by the size of the crop.

AVERAGE WEIGHT OF BALE.

Some ginners do not weigh the baled cotton turned out from their establishments, and some of those who do so fail to keep permanent records. In view of this condition, and of the necessity of securing local weights in order to reduce the statistics to a uniform bale weight, so as to credit each county with its proper proportion of the crop, the bureau requires its canvassing agents to secure bale weights from local weighers, merchants, and other handlers of cotton. The statistics in Table 8 have been compiled from these data and should constitute a very reliable record. This table shows, by states, for the crops of 1909 to 1913, the average gross weight of upland square, upland round, sea-island, and linter bales, and the number of square bales for which weights were returned to the bureau, with their total weight in pounds.

The number of square bales for which weights were returned to the bureau in 1913 was 7,772,225, or more than one-half of the total number ginned during the season. The bale weights were returned in two instalments, with the reports of cotton ginned to November 1 and to January 1. Since weights are secured for bales ginned in different periods, the figures are representative of the varying conditions of the season and contribute to the reliability of the averages. Because of the variation throughout the season in

the weights of the bales pressed, it is not possible to arrive at a reliable average for the crop before the season's ginning is practically completed. Weights of sea-island and of upland round bales were secured by the agents from the handlers of such cotton, and from these data were computed the average weights for round and sea-island bales. The average weights of the linter bales were computed from returns secured from the operators of cottonseed-oil mills.

Method of computing average bale weights.—To obtain the average bale weights for a state, the average weights in pounds of the square, the round, and the sea-island bales weighed in each county were first multiplied separately by the numbers of bales of the respective kinds reported as ginned in the county. The several products thus obtained constituted the totals for the county. The county totals for the different kinds of bales were added separately to obtain the corresponding state totals, which were then divided, respectively, by the number of bales of the several kinds ginned in the state to obtain the average weight of each kind of bale. By deducting from the sum of the different kinds of bales one-half of the number of round bales, the divisor for finding the average weight of the bale, counting round as half bales, was obtained. The average bale weight for the crop of 1913, thus computed, counting round as half bales and excluding linters, is 506.2 pounds gross, as compared with 508 pounds for 1912, 504.5 pounds for 1911, and 501.7 pounds for 1910. The variation in the average weight of bale for upland cotton put up in square packages is pronounced throughout the cotton belt, the averages ranging from less than 430 pounds for a number of counties in Georgia and North Carolina to 560 pounds for counties in Mississippi and Texas. For the states shown separately in the table the range is from 472.9 pounds in North Carolina to 522.9 pounds in Texas. These variations are due to a number of causes, the principal one, no doubt, being the practice of putting in one package the lint obtained from a single load of seed cotton, the quantity of seed cotton in a load depending upon capacity of wagons, character of roads, local customs, price of cotton, etc.

Table 8.—AVERAGE GROSS WEIGHT OF THE SEVERAL KINDS OF BALES AND NUMBER AND GROSS WEIGHT OF SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED, BY STATES: 1909 TO 1913.

		AVE	RAGE GROSS	WEIGHT OF	BALE (POUN	DS).		ES FOR WHICH
STATE.	Growth year.		Cott	on.		_		
	year.	Counting round as	Upl	and.	Sea-island.	Linters.	Number.	Gross weight (pounds).
		half bales.	Square.	Round.	Bea-Island.			
United States	1913 1912 1911 1910 1909	506. 2 508. 0 504. 5 501. 7 496. 6	506. 9 508. 7 505. 3 502. 6 497. 7	251. 4 253. 9 250. 4 249. 4 246. 6	384.7 381.9 399.7 393.3 384.4	506. 1 506. 0 500. 6 499. 3 494. 6	7,772,225 7,326,923 7,839,832 6,191,522 5,379,824	3,931,370,19 3,712,983,73 3,951,510,38 3,106,196,00 2,675,326,66
Alabama	1913 1912 1911 1910 1909	504. 0 505. 3 506. 3 500. 9 492. 4	503. 9 505. 3 506. 3 500. 9 492. 5	243.0		500. 9 504. 1 499. 9 499. 8 503. 3	873, 197 794, 048 871, 926 651, 927 527, 685	439, 509, 80 401, 236, 38 442, 181, 69 326, 757, 37 259, 236, 48
rkansas	1913 1912 1911 1910 1909	516.6 513.7 517.2 514.5 511.4	516.6 513.7 517.2 514.4 511.4	254.0		516. 9 515. 0 518. 0 510. 9 502. 6	592, 931 478, 808 470, 847 448, 929 451, 368	305, 967, 41 245, 221, 33 242, 543, 03 229, 111, 98 230, 477, 88
florida	1913 1912 1911 1910 1909	440. 0 448. 4 441. 3 438. 8 436. 4	488.7 496.1 492.5 482.6 489.7		370. 4 375. 4 382. 6	459. 5 453. 2 432. 9 435. 0 441. 8	31, 387 32, 364 34, 664 32, 114 17, 554	15, 404, 22 16, 065, 82 17, 148, 14 15, 645, 86 8, 494, 56
leorgiu	1912 1911 1910 1909	493.7 490.0 495.4 487.6 487.5	495. 4 492. 4 497. 5 489. 7 490. 1		393. 6 417. 0 409. 3	491.7 491.6 479.8 479.1 475.9	1,353,200 1,053,577 1,340,461 1,015,455 942,034	670, 356, 2 519, 326, 70 667, 167, 9 497, 987, 8 463, 364, 2
ouisiana	1912 1911 1910 1909	508.0 501.7 505.0 497.7 490.2	508.1 501.8 505.0 497.8 490.1	242. 0 240. 5 243. 2 243. 3 249. 6		512. 5 513. 1 507. 8 526. 0 506. 7	290, 828 277, 460 281, 358 183, 599 233, 103	147,703,6 139,974,8 143,373,4 91,600,36 115,176,18
fississipp	1913 1912 1911 1910 1909	523. 5 520. 9 514. 7 520. 9 504. 7	523. 5 520. 9 514. 7 520. 9 504. 7			532. 0 529. 3 521. 6 519. 8 513. 2	567, 093 499, 896 533, 081 593, 732 502, 017	295,057,20 259,014,20 273,552,50 307,431,32 253,034,8
North Carolina	1913 1912 1911 1910 1909	472.9 477.5 477.6 468.8 473.9	472.9 477.5 477.6 468.8 473.9			476. 0 468. 7 480. 3 477. 9 463. 2	423, 356 430, 424 486, 697 352, 844 332, 169	200,763,7 205,583,6 233,204,4 166,081,6 157,216,1
Oklahoma	1913 1912 1911 1910 1909	498. 7 508. 0 502. 7 501. 8 493. 0	498.7 508.1 502.9 501.9 493.4	250. 7 251. 5 248. 2 246. 8 238. 9		530. 2 527. 3 519. 9 497. 0 499. 3	632, 065 561, 359 566, 066 522, 686 375, 080	314,913,44 284,635,94 284,572,43 262,597,30 185,547,43
outh Carolina	1913 1912 1911 1910 1909	485. 6 482. 8 487. 2 480. 4 483. 5	486. 4 483. 6 487. 6 481. 7 485. 3			483. 2 480. 5 477. 9 480. 7 484. 4	$768,771 \\ 794,263 \\ 1,245,555 \\ 710,164 \\ 660,954$	373, 281, 66 383, 505, 67 605, 542, 19 341, 724, 20 319, 100, 92
l'ennessee	1913 1912 1911 1910 1909	517.3 517.0 522.9 516.9 512.2	517.3 517.0 522.9 516.9 512.2			515.4 521.4 510.3 531.4 517.8	195,753 154,062 220,624 170,407 147,125	101,186,49 79,847,51 115,463,39 88,747,89 75,549,00
Pexas	1913 1912 1911 1910 1909	522. 8 525. 3 518. 2 516. 9 510. 8	522. 9 525. 3 518. 2 517. 0 511. 1	262. 5 253. 2 251. 4		509.4 506.8 501.9 500.5 496.1	1,958,516 2,180,044 1,696,179 1,451,812 1,139,320	1,023,227,4 1,142,736,94 878,447,00 749,677,24 582,331,54
All other states	1913 1912 1911 1910 1909	512.1 507.9 517.8 498.8 500.0	512.1 507.9 517.8 498.8 500.0	250.0		519.1 520.3 531.1 527.6 514.8	85, 128 70, 558 92, 374 57, 853 51, 415	43,998,8 35,834,6 48,314,0 28,832,8 25,797,4

Disparity between census and export bale weights.— The average weight of the bales exported during the six months ending February 28, 1914, was 520.1 pounds, which is 13.9 pounds greater than the average for the crop of 1913, as computed from the returns of

bale weights received by the bureau. This variation may be due to a number of reasons. The census figures relate approximately to the entire crop, but those of exports to a six-months' period, and, since the weight of the bale becomes less toward the close of the season, the average weight of the export bale as given is likely to be greater than the average weight of the total quantity exported for the entire year.

Another reason is that the states which contribute the larger portion of the export cotton are those which put up the heaviest bales. The average weight of the bale for the states of Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, which furnished much the larger part of the export cotton, was 518.3 pounds, while that for the states of Alabama, Georgia, North Carolina, and South Carolina, which contributed most largely to the domestic consumption, was 491.4 pounds.

PRODUCTION IN POUNDS.

The statistics for the gross weight of cotton and linters from the crops of 1909 to 1913, expressed in pounds, are shown, by states, in Table 9.

TABLE 9.—GROSS WEIGHT OF LINT COTTON AND LINTERS PRODUCED, BY STATES: 1909 TO 1913.

		GROSS	WEIGHT OF COTTO	N AND LINTERS P	RODUCED (POUND	s).
	Growth		Lint cott	on.		
STATE.	year.	Total.	Upla	1	Sea-island bales.	Linters.
			In square bales.	In round bales.		·
United States	. 1913 1912 1911 1910 1909	7,078,240,000 6,851,710,000 7,846,350,000 5,804,310,000 5,002,470,000	7, 023, 270, 000 6, 802, 830, 000 7, 773, 230, 000 5, 740, 610, 000 4, 928, 880, 000	25, 130, 000 20, 700, 000 25, 430, 000 28, 160, 000 37, 150, 000	29, 840, 000 28, 180, 000 47, 690, 000 35, 540, 000 36, 440, 000	319, 440, 0 304, 800, 0 278, 790, 0 198, 530, 0 155, 220, 0
labama	. 1913 1912 1911 1910 1909	747,740,000 671,140,000 858,270,000 597,130,000 512,170,000	744, 830, 000 668, 900, 000 855, 150, 000 594, 340, 000 507, 430, 000	3,120,000		26, 980, 6 19, 580, 0 20, 340, 0 14, 520, 0 12, 720, 0
rkansas	1913 1912 1911 1910 1909	536, 420, 000 396, 020, 000 469, 650, 000 410, 610, 000 356, 730, 000	535, 030, 000 395, 380, 000 468, 910, 000 409, 600, 000 355, 120, 000	740,000 1,010,000		21, 030, 0 17, 550, 0 16, 500, 0 13, 320, 0 10, 310, 0
lorida	. 1913 1912 1911 1910 1909	29, 350, 000 26, 380, 000 41, 690, 000 29, 470, 000 27, 000, 000	20, 100, 000 18, 110, 000 26, 200, 000 18, 220, 000 16, 510, 000		9,250,000 8,270,000 15,490,000 11,250,000 10,490,000	1,200,0 640,0 850,0 550,0 470,0
eorgia	1913 1912 1911 1910 1909	1,158,300,000 888,270,000 1,384,310,000 883,600,000 902,010,000	1,140,800,000 871,050,000 1,353,910,000 863,980,000 881,170,000		17,500,000 17,220,000 30,400,000 19,620,000 20,840,000	54,400,0 37,460,0 38,590,0 26,710,0 24,630,0
ouisiana	1913 1912 1911 1910 1909	221, 910, 000 188, 050, 000 192, 300, 000 122, 830, 000 126, 710, 000	221, 490, 000 187, 760, 000 191, 800, 000 121, 950, 000 124, 530, 000	420,000 290,000 500,000 880,000		11, 180, 1 9, 200, 1 9, 440, 1 5, 040, 1 5, 630, 0
ississippi		655, 370, 000 523, 210, 000 601, 770, 000 631, 340, 000 541, 610, 000	655, 370, 000 523, 210, 000 601, 770, 000 631, 340, 000 541, 610, 000			32,330, 23,940, 24,390, 21,990, 18,730,
orth Carolina	1 (396, 270, 000 432, 830, 000 537, 910, 600 353, 070, 000 300, 300, 000	396, 270, 000 432, 830, 000 537, 910, 000 353, 070, 000 300, 300, 000			16,660, 13,470, 14,480,6 10,350, 7,480,
kjahoma	1 (420, 190, 000 510, 620, 000 511, 050, 000 461, 530, 000 272, 480, 000	409, 910, 000 499, 660, 000 501, 620, 000 454, 530, 000 265, 830, 000	9,430,000		20, 430, 4 27, 430, 4 20, 410, 17, 950, 10, 550, 1
outh Carolina	. 1913 1912 1911 1910 1909	688, 910, 000 591, 060, 000 824, 360, 000 581, 750, 000 549, 980, 000	685, 820, 000 588, 370, 000 822, 560, 000 577, 080, 000		3,090,000 2,690,000 1,800,000 4,670,000 5,110,000	22,510,0 17,070,0 17,690,0 14,210,0 13,040,0
ennessee	1 1	189, 740, 000 138, 270, 000 224, 870, 000 165, 980, 000 123, 320, 000	189,746,000 138,270,000 224,870,000 165,980,000 123,320,000	1		17,870, 11,620, 14,700, 8,760, 6,540,
oxas	{ {	1,972,490,000 2,440,110,000 2,128,210,000 1,524,710,000 1,261,400,000	1,962,360,000 2,433,540,000 2,116,570,000 1,508,300,000 1,239,430,000	11, 640, 000 16, 410, 000		89,760, 123,320, 95,610, 61,540, 42,350,
II other states ¹	1913 1912 1911 1910	61,550,000 45,750,000 71,960,000 42,290,000 28,760,000	61,550,000 45,750,000 71,960,000 42,220,000 28,760,000	70,000		5,090, 3,520, 5,790, 3,590, 2,770,

¹ Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia, and linters of mills in Illinois.

The statistics in Table 9 have been computed to represent the weight of baled cotton and linters just as they are bought and sold. The weight of the wrapping and bands of the bales are estimated to average 22 pounds for upland square bales, 3 for upland round, and 10 for sea-island. The total tare for the cotton crop of 1913, computed with these figures as a basis, amounts to 305,890,000 pounds, leaving as the net quantity of lint cotton produced 6,772,350,000 pounds. The tare for linters amounted to 13,890,000 pounds, and the net weight of linters to 305,550,000 pounds.

The proportion of the cotton crop of 1913 put up in round bales is four-tenths of 1 per cent, as compared with 4.7 per cent in 1902. For the crop of 1902 round-bale presses were operated in 12 states, while for that of 1913 they were operated in only 5 states, namely, Alabama, Arkansas, Louisiana, Oklahoma, and Texas.

LONG-STAPLE COTTON.

The limited supply of cotton having a long staple and the world-wide demand for cotton of this character for use in the manufacture of thread and the higher grade fabrics has given such varieties an importance out of proportion to the amount produced. While at one time the long-fiber sea-island cotton

grown in the West Indies provided a large proportion of the total cotton used in Europe, the world's production of this variety at the present time is comparatively insignificant, averaging less than 100,000 bales per annum. The quantity of long-fiber cotton produced in Egypt is less than a million and a half bales each year, and the quantity of upland cotton with a staple of $1\frac{3}{16}$ inches or more in length produced in the United States is not much in excess of 350,000 bales. Long-staple cotton is also produced in comparatively small quantities in India, Brazil, Peru, and several other countries. Altogether the total of long-staple cotton—that is, cotton having a fiber $1\frac{3}{16}$ inches or more in length—produced throughout the world from the crop of 1913 did not in all probability exceed 2,000,000 bales, which is less than one-tenth of the aggregate quantity produced. As stated above, great interest attaches to cotton of this character, and statistics more or less in detail are presented regarding its cultivation in the United States.

Sea-island cotton.—Table 10 is a comparative statement, by states, showing the quantity of sea-island cotton ginned in the United States from the crops of 1909 to 1913, the average gross weight of the bales, and the quantity ginned to specified dates during these years.

TABLE 10.—SEA-ISLAND COTTON—PRODUCTION, AVERAGE GROSS WEIGHT OF BALE, AND QUANTITY GINNED TO SPECIFIED DATES, BY STATES: 1909 TO 1913.

		PRO	ouction.	Average			COTT	ON GINNEI	to (RUNN	IING BALE	5)—		
STATE.	Growth year.	Bales (num- ber).	Total gross weight (pounds).	gross weight of bale (pounds).	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14,	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.
United States	1913	77,563	29, 840, 000	384. 7	436	10,570	31, 139	42, 804	51, 950	61,049	69, 520	74,320	76,277
	1912	73,777	28, 180, 000	381. 9	232	3,051	15, 960	28, 887	40, 389	51,275	60, 445	67,257	70,758
	1911	119,293	47, 690, 000	399. 7	546	11,807	40, 303	56, 563	71, 204	87,656	98, 035	105,988	109,867
	1910	90,368	35, 540, 000	393. 3	218	7,004	25, 691	40, 504	52, 631	66,696	75, 228	82,432	86,424
	1909	94,791	36, 440, 000	384. 4	1,236	13,832	36, 482	55, 237	68, 495	77,591	85, 177	89,611	92,191
Florida	1913	25, 587	9, 250, 000	361. 3	140	4,049	12, 259	16,356	19, 542	22, 207	24, 126	25, 166	25, 366-
	1912	22, 334	8, 270, 000	370. 4	167	1,690	6, 976	11,067	15, 052	17, 826	. 19, 505	21, 085	21, 916-
	1911	41, 270	15, 490, 000	375. 4	233	4,381	15, 110	21,038	26, 818	32, 350	35, 585	38, 091	39, 340-
	1910	29, 417	11, 250, 000	382. 6	120	2,988	10, 098	15,191	19, 669	23, 663	25, 854	27, 646	28, 790-
	1909	28, 158	10, 490, 000	372. 6	631	6,133	14, 534	19,740	23, 453	25, 905	26, 870	27, 532	27, 888-
Georgia	1913	43,305	17,500,000	404.1	295	6, 443	17, 868	24,570	29, 355	34, 346	39,014	41, 768	42,650
	1912	43,736	17,220,000	393.6	64	1, 258	8, 148	16,276	22, 873	29, 756	35,418	39, 543	41,529
	1911	72,904	30,400,000	417.0	313	7, 405	24, 453	33,841	41, 430	51, 496	58,008	63, 099	65,577
	1910	47,935	19,620,000	409.3	95	3, 993	14, 386	22,490	28, 088	35, 405	39,725	43, 636	45,441
	1909	52,060	20,840,000	400.2	604	7, 649	19, 931	31,277	38, 825	43, 164	47,564	49, 944	51,072
South Carolina.	1913 1912 1911 1910 1909	8,671 7,707 5,119 13,016 14,573	3,090,000 2,690,000 1,800,000 4,670,000 5,110,000	356. 7 348. 7 350. 6 358. 8 350. 7	1 1 3 1	78 103 21 23 50	1,012 836 740 1,207 2,017	1,878 1,544 1,684 2,823 4,220	3, 053 2, 464 2, 656 4, 874 6, 217	4,496 3,693 3,810 7,628 8,522	6,380 5,522 4,442 9,649 10,743	7,386 6,629 4,798 11,150 12,135	8,261 7,313 4,950 12,193 13,231

The sea-island crop of 1913 amounted to 77,563 bales, or 29,840,000 pounds gross weight. While slightly larger than the preceding crop, it was one of the smallest produced since the inauguration of the ginning reports of this bureau in 1899. More than one-half of the total crop of sea-island cotton in 1913 was ginned prior to November 1, and 78.7 per cent prior to December 1.

The ginning of sea-island cotton in the three producing states from the crop of 1913 was confined to 38 counties, comprising 15 counties in Florida, 21 in

Georgia, and 2 in South Carolina. It was not grown, however, in all parts of the counties from which it was returned, in some instances only a small proportion of the total production of cotton being sea-island. The distribution of the crop by counties for the last five years will be found in Table 20, and the localities producing it in 1913 are represented on the map on page 34. It might be presumed that the high prices received for this cotton would cause a large increase in the acreage, but attempts to grow it in other parts of these states and in other states have been so unsatis-

factory that practically all efforts to raise it outside of certain well-defined areas in the states named have been abandoned. Recent experiments in the growing of this cotton have been made in Plaquemines Parish, La., and a few bales were produced there in 1911, 1912, and 1913.

The best sea-island cotton produced in the United States is grown on the islands off the coast of South Carolina by planters who have, for many years, paid the most careful attention to seed selection. The fiber produced is long and fine, and it is harvested and handled with such care that the cotton commands a very high price. Growers who raise sea-island cotton in the interior must secure new seed from the coast region frequently in order to preserve the quality of the fiber, which degenerates rapidly into upland fiber when grown away from the coast. Aside from the difficulties presented by soil and climatic conditions, there are obstacles in the way of extending this culture beyond the present limits. Among these are: (1) Lack of proper experience in new territory in cultivating, harvesting, and handling; (2) objection to the small and partially closed sea-island bolls on the part of pickers accustomed to upland varieties, notwithstanding the fact that they receive more for picking seaisland cotton than for picking upland cotton; (3) the necessity of using roller gins for sea-island cotton, since saws injure the fiber; and (4) the disadvantage of selling sea-island cotton in a market where the buyers are unaccustomed to it.

The average quantity of sea-island cotton produced each year is equivalent to about 75,000 bales of 500 pounds each. Of this amount, about 25,000 bales are exported and 50,000 bales are consumed in this country.

The sea-island cotton now being grown in the West Indies is said to surpass the average American product, and competes with that grown in South Carolina rather than with the less valuable varieties grown in Florida and Georgia; however, the total exports of sea-island cotton from the British West Indies for the year ending September 30, 1913, were only 4,309 bales of 500 pounds each.

Egyptian cotton.—The fiber of Egyptian cotton is not so strong nor so fine as that of sea-island, but it is nevertheless, quite strong and of uniform length. It is prepared for market more carefully than most of the American fiber, and, being freer from waste, is more satisfactory on that account to the manufacturer. The imports of Egyptian cotton into the United States during the year ending August 31, 1913, amounted to 191,075 bales of 500 pounds each. The demand for Egyptian cotton by American manufacturers has led to efforts to grow in the United States cotton having these characteristics, and much encouragement has been given the movement by the success attending the crop of 1913 in Arizona.

The status of the cultivation of Egyptian varieties of cotton in this country is presented in the following statement, compiled from information furnished by the Department of Agriculture:

The production of Egyptian cotton in Arizona increased from 280 bales in 1912 to about 2,200 bales in 1913. It is grown chiefly in the Salt River Valley, where approximately 3,500 acres were devoted to the crop of 1913. Under proper cultivation and irrigation the yields were exceedingly satisfactory, averaging, under favorable conditions, rather more than 1 bale per acre. Farmers who had had previous experience in growing cotton and whose land was old and fertile, in some instances obtained yields of 1½ and 1½ bales per acre. The excellent character of this cotton has been recognized both by domestic and English spinners, and the prices received for the crop were such as to indicate that this cotton will remain one of the principal crops of the Salt River Valley.

It is the policy of the department in attempting to establish the culture of new and improved varieties of cotton to distribute the seed only in communities which are prepared to organize growers' associations and to exclude other types of cotton. So far the Salt River Valley has been the only southwestern community to meet these conditions, although the prospects are that one or two other valleys in Arizona and southern California will begin growing Egyptian cotton on this basis during the present year.

Much of the land planted to cotton in the Salt River Valley was desert land, under irrigation for the first time, and many of the growers had had no previous experience in raising cotton under irrigation. These conditions and the unusually low night temperatures which prevailed during the months of September and October materially curtailed the production.

The staple of the greater part of the crop of 1913 is slightly more than 1½ inches in length, and the Arizona crop, as a whole, represents a type of Egyptian cotton very much superior to the bulk of our Egyptian imports, there being few mills in this country which use Egyptian cotton equal in quality to that produced in Arizona.

The prospects are that about 10,000 acres in the Salt River Valley will be planted to Egyptian cotton in 1914, and there is reason to anticipate a continued increase in the production of this cotton as an increasing number of spinners become acquainted with its value.

Long-staple upland cotton.—Formerly practically all of the long-staple upland cotton produced in the United States was grown in the Mississippi Delta, where a market for handling cotton of this character had been created. With the increased demand for superior staple cottons, efforts were made in other sections of the cotton belt to grow improved varieties of upland cotton. This movement was accelerated by the fact that early maturing varieties of short-staple cotton have, in a measure, supplanted the long-staple varieties grown in the Delta, where these later maturing cottons were seriously damaged by the boll weevil. The net result has shown no pronounced increase in the quantity of long-staple upland cotton produced in the country, notwithstanding the efforts of those interested in its increased production. In order that definite information as to the production of this cotton from the crop of 1913 might be included in this bulletin, the agents of the bureau, who collect statistics of cotton ginned, were instructed to forward information as to the quantity of long-staple upland cotton grown in the several counties. They were instructed to obtain data as to the number of bales produced, consideration being given only to cotton measuring $1\frac{3}{16}$ inches or more in length. In many sections the ginners have no knowledge of the length of the fiber turned out and cotton with a very good staple is frequently sold at the price of ordinary cotton. The agents encountered great difficulties in arriving at the quantity of this cotton produced and the results of the canvass were not as satisfactory as desired. Judging from the information forwarded by the agents, it would appear that there were about 350,000 bales of upland cotton having a staple of $1\frac{3}{16}$ inches or more produced in the United States from the crop of 1913. It is possible that this estimate is too small, because an investigation made by the Office of Markets of the Department of Agriculture indicates that 280,000 bales of cotton of this character are consumed annually in the mills of the United States and Canada, while large quantities also are exported.

The "Delta" section of Mississippi and the adjacent parts of Arkansas and Louisiana continue to furnish the larger part of the long-staple upland cotton. The next most important district in the production of this cotton is found in the counties of Darlington, Marlboro, and Lee in South Carolina. Among other localities producing the cotton the following are mentioned: Red River and Fort Bend Counties, Texas; Jefferson, Hempstead, Howard, and Sevier Counties, Arkansas; Cherokee and Calhoun Counties, Alabama; Gaston, Union, Cleveland, and Mecklenburg Counties, North Carolina; and Imperial County, California.

The Department of Agriculture is keenly alive to the improvement of varieties and the following statement prepared by the Office of Markets, of that department, summarizes the work of the Government in this connection, as related to the corp of 1913:

The boll weevil was less destructive last year in the lowlands along the Mississippi River than at any time since its invasion. This resulted in an increased yield of upland staple cottons in the regions to which spinners have long been accustomed to turn for the greater portion of their supplies, but the impracticability of raising the standard long-staple varieties of former years, under weevil conditions, seems to be fully realized and the Mississippi Delta is not supplying staple cottons either in as great quantity or of as high quality as in former years.

There has, however, been a notable increase in the production of upland staples in the Carolinas and in the Imperial Valley, California. In the southeast the varieties of the Columbia type appear to predominate, while in the Imperial Valley the total production of Durango cotton is believed to have been about 4,000 bales.

The prices received for staple cotton throughout the country have been abnormally low during the past season. The marketing of cotton of this character is everywhere acknowledged to be upon an unsatisfactory basis, but it is undoubtedly true that both American and foreign spinners have this year used greater quantities of the better varieties of staples produced in the South Atlantic states than ever before.

The newer varieties of upland staples developed by the department are distinctly earlier than the varieties formerly grown and seem to give promise of a continued staple production under intelligent cultural methods, even in weevil-infested areas. In spite of the fact, however, that the long-staple varieties can be grown over a greater part of the cotton belt than was formerly believed to be

the case, and in spite of the fact that the problems of seed selection and of proper cultivation and handling have been so well worked out, the prices of suitable cottons are at the present time so little in excess of the prices of short cotton that it is probable that there will be no great increase in staple production within the next year. It is freely predicted that the acreage of staple cottons in the Atlantic states will be materially reduced in 1914.

During the past year a study was made of the relative spinning values of various new types and varieties of long-staple cotton. The spinning experiments are still incomplete and will be carried on even more extensively in 1914, with a larger number of varieties included. Preliminary results, however, indicate that the best of the staples grown in the South Atlantic states are as uniform and show as small a percentage of waste in the mill as the average staples from the Mississippi Delta.

GRADE AND PRICE OF COTTON.

The estimated average grade of upland cotton, the average prices of upland and of sea-island cotton, the average price of Egyptian cotton at Boston, and the average price of seed of the crops from 1902 to 1913 are presented in the following table:

Table 11.—Average grade of upland cotton, average prices of upland, sea-island, and Egyptian cotton, and average price of cotton seed: 1902 to 1913.

[The Census Bureau is indebted to Mr. Henry G. Hester, secretary of the New Orleans Cotton Exchange, for the grades and prices of upland cotton; and to Messrs. Henry W. Frost & Co., of Charleston, S. C., for prices of sea-island cotton. Prices of cotton seed have been determined from information furnished by cottonseed-oil manufacturers.]

		AVERA	GÉ PRICE	OF COT	TON PER	POUND	Aver-
GROWTH YEAR.	AVERAGE GRADE OF UPLAND COTTON.		S	ea-island	l. ·		price of cotton
8		Up- land.	Florida.	Geor- gia.	South Caro- lina,	Egyp- tian,	per ton.
1913	Strict low middling.	13.07	19. 61	19.61	23. 47	20.38	\$25.00
1912	Middling to strict middling	12.05	19.50	19.50	25.00	19.76	21.20
1911 1910 1909 1908 1907 1906	Strict low middling to middling. Strict middling. Strict middling. Strict middling. Middling. Strict low middling. Fully middling.	9. 69 14. 69 14. 29 9. 24 11. 46 10. 01 10. 94	20. 41 27. 36 27. 10 17. 92 24. 27 28. 65 17. 50	20. 41 27. 36 27. 10 17. 92 24. 27 28. 65 17. 50	23. 73 35. 62 32. 85 23. 39 35. 59 36. 70 26. 38	18. 75 22. 25 20. 50 17. 25 21. 00 20. 00 19. 00	18.30 27.40 27.70 15.60 17.60 13.80 14.90
1904 1903 1902	Strict middling Strict middling Strict low middling.	8.66 12.16 8.20	19. 50 23. 60 20. 00	19.00 21.00 17.00	27. 12 28. 40 25. 00	15. 00 17. 75 15. 50	14. 20 17. 80 15. 80

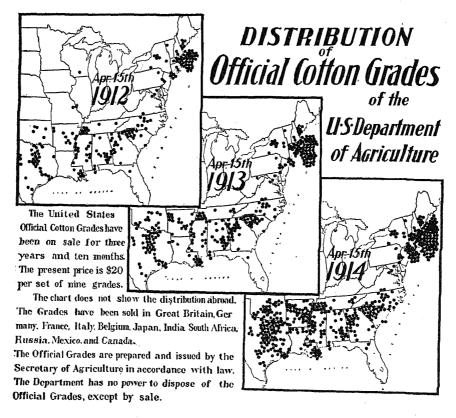
Because of the fact that the annual bulletin on the production of cotton is compiled before the close of the cotton year, it is not possible to determine the average quality or the average price of the entire crop. Accordingly the figures in Table 11, which have been computed from the New Orleans market reports, are based on the average price of the average grade marketed prior to April 1. The estimated average grade of the 1913 upland cotton crop marketed prior to this date was "strict low middling," and the average price, 13.07 cents, which is within 1.62 cents of the record price of 1910. The average price of South Carolina sea-island cotton of the crop of 1913 was 23.47 cents, while that for sea-island cotton grown in Georgia and Florida was 19.61 cents. The average price of cotton

imported from Egypt at the port of Boston for the six months ending February 28, 1914, was 20.38 cents. The average value of cotton seed given in the table was computed from the prices furnished by a number of the leading cottonseed-oil companies and does not include freight and commissions. For the crop of 1913 it was \$25 per ton, which amount was exceeded only for the crops of 1909 and 1910.

COTTON HANDLING AND MARKETING.

National cotton standards.—There is a widespread demand for a change in the methods obtaining in the marketing of cotton whereby greater regard shall be given the actual worth of the staple in the sale of cotton by the producer, since a large proportion of the cotton crop is disposed of by the growers, with but scant attention to the real value of the fiber. The manufacturer, in arriving at the true value of the lint, carefully considers not only the appearance of the cotton as regards color, dirt, and trash, but also the length, strength, and uniformity of the fiber. The producer, as a rule, has slight knowledge of these characteristics, and is somewhat at a disadvantage in disposing of his crop. The desirability of establishing a uniform basis for cotton grading has long been recognized by a majority of those interested in the cotton industry. There are practical difficulties in the way of applying uniform standard grades throughout the handling of the cotton crop, but it is believed these difficulties can be largely overcome. As a result of the demand for such action, Congress directed the Secretary of Agriculture to establish standards for the different grades of cotton, to prepare them in practical form, and to furnish them to anyone upon payment of the actual cost thereof. Congress has also authorized the making of tests to determine the spinning qualities on the basis of the official grades, and work in this direction is now under way. The following statement, showing the present status of this work was prepared by the Department of Agriculture:

During 1913 the preparation and distribution of the Official Cotton Grades were continued. A new feature of this work was the distribution of sets to agents of the Farmers' Cooperative Demonstration Work for use in helping the farmers to understand the grade of their cotton. The agents placed these sets in a public place with reliable organizations, and daily quotations are posted near by where they can be consulted by both seller and buyer. The price of the Official Cotton Grades was reduced in July, 1913, to \$20 for the full set of nine grades, fractional sets being sold at the rate of \$2.50 per grade for any three or more grade boxes. The types have been officially adopted by the cotton exchanges in the following cities: New Orleans, Memphis, St. Louis, Charleston, Natchez, Little Rock, Galveston, Macon, Mobile, Oklahoma, New York, and by the following associations: New England Cotton Buyers, Arkwright Club, Southern Cotton Buyers, Fall River Cotton Buyers. The grades are also in use in a number of other organizations which have not formally adopted them by vote of the members, while sets, based on the official grades, prepared by private concerns, are also used extensively. The accompanying map shows graphically the distribution of the Official Cotton Grades to April 15, 1914.



The spinning tests authorized by the last Congress on the basis of the Official Grades have been successfully carried out on cotton of the crop of 1912, and the results published in Departmental

Bulletin No. 121. These spinning tests and other tests are to be continued in order to establish a numerical basis for as many as possible of the qualities of cotton.

Cotton ginning.—Two distinct types of cotton gins are in use in the United States. Roller gins are used principally for ginning sea-island cotton, and, to some extent, long-staple upland varieties. While they do not break or injure the fiber, they are slow of operation and of comparatively small capacity. Saw gins, on the other hand, are rapid and meet the requirements of handling large quantities of seed cotton within the limits of the ginning season, but damage the fiber to a greater extent than the roller gins and, consequently, entail a greater percentage of waste in the later processes of manufacture. Attempts to improve the saw gin with a view to the better preservation of the fiber have, as a rule, resulted in reducing the ginning capacity below the point of expeditious handling of the crop. Experiments are being made with a number of different types of gins with a view of developing machinery which will turn out the lint rapidly and, at the same time, not damage the fiber. One line of endeavor is the use of smooth instead of sharp-toothed saws; another, the use of needles instead of saws; and still another, the use of perforated cylinders to which the fibers are held by suction until detached from the seed. The need of better machinery for ginning is strongly felt, and doubtless efforts at improvement will continue to be made until some one succeeds in accomplishing the desired result.

Cotton baling and wrapping.—There has been much criticism of the methods employed in baling and handling American cotton. The bale often presents a very poor appearance, but this is to be expected when the methods used are considered. The bales are not completely covered at the ginneries, and, in the course of marketing, the covering is frequently cut in a number of places in order to obtain samples. At the compresses patches are placed over these rents, thus adding somewhat to the weight of the bale. In unloading American cotton from ships at the European ports hooks are generally used, which sometimes tear the covering and break the bands, giving the bale a ragged aspect.

Improvement in methods of compressing and covering cotton has been receiving much attention. The problem of changing the methods of baling and handling cotton is a very difficult one, however. The American crop is grown on nearly 2,000,000 farms and ginned in about 25,000 establishments. The

practices obtaining in the industry throughout the cotton belt differ greatly, and, because of the varying local conditions, it will require a long time to change present methods completely.

Cotton marketing.—The marketing of cotton is a matter intimately associated with all who have to do with this staple, and the methods employed are at times subject to criticism. In order to obtain a knowledge of conditions prefatory to the publication of the report in compliance with an act of Congress, the Department of Agriculture began a thorough study of conditions existing throughout the cotton belt in this regard. The work of the department in this connection during the past year is given in the following statement:

In the investigation of primary market conditions the department has had systematic samplings made at some 70 primary markets throughout the season, from 25 to 50 bales of cotton being sampled on the same days of the week in all markets. The samples have been forwarded to Washington, with a record of the date and place of sale and price per pound paid the grower in each case. A somewhat similar survey, made in the state of Oklahoma last year, indicated that in many markets there was very little variation between the prices paid the farmers for the best and the poorest bales offered until late in the season when the grades were running very low. It also showed that the extreme variations in price occurring in any one market on any one day were almost as likely to occur between two bales of identical character as between the best and poorest grades. In other words, there is every indication that the grade was a minor consideration in fixing the price to the grower.

The survey of 1913-14 involved the sampling of more than 35,000 bales of cotton and, from the systematic manner in which this sampling was done, it is believed that this work will furnish valuable information as to the proportion of the various grades comprising this crop in different parts of the cotton belt, the downward progress of the average grade of the cotton through the picking season, and the proportion of the various tinges, stains, and spots which go to make up the total number of off-color bales. It is also expected to furnish a comprehensive showing of the relation of grade and staple to price paid, although none of the primary markets chosen for this work are in important long-staple producing areas.

VALUE OF THE COTTON CROP.

The estimated values of upland and sea-island cottons and of cotton seed, together with the estimated net weight of cotton for the crops of 1909 to 1913, are presented, by states, in Table 12. No account is taken of linters in computing the value of the crop, as the value of the cotton seed relates to seed before reginning.

Table 12.—NET WEIGHT AND ESTIMATED VALUE OF UPLAND AND OF SEA-ISLAND COTTON AND THE ESTIMATED QUANTITY AND VALUE OF COTTON SEED, BY STATES: 1909 TO 1913.

			,	co	TTON.			COTTON	SEED.
STATE.	Growth year.	Aggregate value of cotton crop.		Upla	nd.	Sea-is	sland.	Quantity	
		conton crop.	Total value.	Quantity (pounds).	Value.	Quantity (pounds).	Value.	(tons).	Value.
United States	1913 1912 1911 1910 1909	\$1,043,760,000 920,630,000 859,840,000 963,180,000 812,090,000	\$887, 160, 000 702, 240, 000 732, 420, 000 820, 320, 000 688, 350, 000	6,743,290,000 6,529,060,000 7,459,940,000 5,517,150,000 4,747,730,000	\$881,350,000 786,750,000 722,870,000 810,470,000 678,450,000	29,060,000 27,440,000 46,490,000 34,640,000 35,490,000	\$5,810,000 5,490,000 9,550,000 9,850,000 9,900,000	6,305,000 6,104,000 6,997,000 5,175,000 4,462,000	\$156,600,000 128,390,000 127,420,000 142,860,000 123,740,000
Alabama	1913 1912 1911 1910 1909	110,990,000 90,280,000 93,100,000 98,930,000 83,040,000	93, 480, 000 77, 360, 000 79, 560, 000 83, 880, 000 69, 940, 000	715, 190, 000 641, 990, 000 821, 070, 000 570, 990, 000 489, 450, 000	93,480,000 77,360,000 79,560,000 83,880,000 69,940,000			664,000 596,000 762,000 530,000 454,000	17,510,000 12,920,000 13,540,000 15,050,000 13,100,000
Arkansas	1913 1912 1911 1910 1909	77,080,000 53,630,000 51,060,000 67,060,000 57,750,000	67,130,000 45,680,000 43,580,000 57,750,000 48,790,000	513,620,000 379,080,000 449,700,000 303,000,000 341,430,000	67,130,000 45,680,000 43,580,000 57,750,000 48,790,000			477,000 352,000 418,000 365,000 317,000	9,950,000 7,950,000 7,480,000 9,310,000 8,960,000
Florida	1913 1912 1911 1910 1909	5,010,000 4,190,000 6,250,000 6,470,000 5,760,000	4,270,000 3,660,000 5,510,000 5,550,000 5,020,000	19, 200, 000 17, 300, 000 25, 030, 000 17, 390, 000 15, 770, 000	2,510,000 2,090,000 2,430,000 2,550,000 2,250,000	8,990,000 8,050,000 15,080,000 10,960,000 10,210,000	1,760,000 1,570,000 3,080,000 3,000,000 2,770,000	31,000 28,000 46,000 33,000 30,000	740,000 530,000 740,000 920,000 740,000
Georgia	1913 1912 1911 1910 1909	173,680,000 121,800,000 154,330,000 150,540,000 148,040,000	145, 820, 000 103, 540, 000 131, 450, 000 126, 450, 000 125, 770, 000	1,090,140,000 832,140,000 1,294,040,000 825,170,000 841,610,000	142,480,000 100,270,000 125,390,000 121,220,000 120,270,000	17,060,000 16,780,000 29,670,000 19,140,000 20,310,000	3,340,000 3,270,000 6,060,000 5,230,000 5,500,000	1,038,000 798,000 1,246,000 795,000 812,000	27, \$60, 000 18, 200, 000 22, 880, 000 24, 600, 000 22, 270, 000
Louisiana,	1913 1912 1911 1910 1909	31,820,000 25,370,000 21,010,000 20,130,000 20,500,000	27,750,000 21,670,000 17,830,000 17,250,000 17,310,000	212, 310, 000 179, 810, 000 183, 940, 000 117, 420, 000 121, 090, 000	27,750,000 21,670,000 17,830,000 17,250,000 17,310,000			197,000 167,000 171,050 109,060 112,000	4,070,000 3,700,000 3,180,000 2,880,000 3,280,000
Mississippi	1913 1912 1911 1910 1909	96,500,000 71,720,000 66,530,000 104,030,000 88,210,000	82, 060, 000 60, 380, 000 55, 820, 000 88, 830, 000 74, 020, 000	627, 830, 000 501, 110, 000 576, 050, 000 604, 670, 000 518, 000, 000	82,060,000 60,380,000 55,820,000 88,830,000 74,020,000			583,000 465,000 535,000 561,000 481,000	14, 440, 000 11, 340, 000 10, 710, 000 16, 100, 000 14, 190, 000
Missouri	1913 1912 1911 1910 1909	5,000,000 3,800,000 5,300,000 4,870,000 3,650,000	4,200,000 3,210,000 4,500,000 4,140,000 3,000,000	32, 150, 000 26, 670, 000 46, 400, 000 28, 530, 000 21, 590, 000	4,200,000 3,210,000 4,500,000 4,120,000 3,090,000			30,000 25,000 43,000 26,000 20,000	800, 000 590, 000 890, 000 680, 000 560, 000
North Carolina	1913 1912 1911 1910 1909	59,790,000 58,980,000 58,810,000 59,350,000 48,860,000	49, 380, 000 49, 750, 000 49, 720, 000 49, 430, 000 40, 920, 000	377, 840, 000 412, 890, 000 513, 140, 000 336, 500, 000 286, 360, 000	49, 380, 000 49, 750, 000 49, 720, 000 49, 430, 000 40, 920, 000			351,000 383,000 476,000 312,000 266,000	10, 410, 000 9, 230, 000 9, 000, 000 9, 920, 000 7, 940, 000
Oklahoma	1913 1912 1911 1910 1909	60, 820, 000 67, 200, 000 55, 070, 000 74, 950, 000 43, 560, 000	52,540,000 58,910,000 47,380,000 64,860,090 37,230,000	401, 990, 000 488, 860, 000 488, 990, 000 441, 520, 000 269, 540, 000					8, 280, 000 8, 290, 000 7, 690, 000 10, 090, 000 6, 330, 000
South Carolina	1913 1912 1911 1910 1909	103, 660, 000 80, 880, 000 90, 120, 000 98, 630, 000 89, 820, 000	86, 220, 000 68, 330, 000 76, 520, 000 82, 520, 000 75, 960, 000	654, 790, 000 561, 610, 000 785, 450, 000 550, 730, 000 520, 170, 000	85, 580, 000 67, 680, 000 76, 110, 000 80, 900, 000 74, 330, 000	3,010,000 2,610,000 1,740,000 4,540,000 4,970,000	710,000 650,000 410,000 1,620,000 1,630,000	613,000 526,000 732,000 518,000 490,000	17, 370, 000 12, 550, 000 13, 600, 000 16, 110, 000 13, 860, 000
Tennessee.	1913 1912 1911 1910 1909	27, 860, 000 18, 930, 000 24, 680, 000 27, 350, 000 19, 870, 000	23, 750, 000 15, 950, 000 20, 879, 000 23, 340, 000 16, 870, 000	181, 670, 000 132, 390, 000 215, 410, 000 158, 910, 000 118, 020, 000	23, 750, 000 15, 950, 000 20, 870, 000 23, 340, 000 16, 870, 000			169,000 123,000 200,000 148,000 110,000	4, 110, 000 2, 380, 000 3, \$10, 000 4, 910, 000 3, 900, 000
Texas.	1913 1912 1911 1910 1909	287, 400, 000 321, 430, 000 230, 910, 000 247, 880, 000 201, 940, 000	247, 000, 000 281, 740, 000 197, 500, 000 214, 529, 000 172, 590, 000	1,889,800,000 2,338,110,000 2,038,220,000 1,460,330,000 1,207,790,000	247, 000, 000 281, 740, 000 197, 500, 000 214, 520, 000 172, 590, 000			1,755,000 2,171,000 1,893,000 1,356,000 1,122,000	40, 400, 000 39, 690, 000 33, 410, 600 33, 360, 600 29, 350, 000
Virginia	1913 - 1912 - 1911 1910 1909	1,760,000 1,670,000 1,630,000 1,260,000 810,000	1,460,000 1,400,000 1,380,000 1,040,000 690,000	11, 200, 000 11, 640, 000 14, 260, 000 7, 050, 000 4, 810, 000	690,000			4,000	300, 000 270, 000 250, 000 220, 000 120, 000
All other states 1.	1913 1912 1911 1910 1909	2,390,000 750,000 950,000 830,000 190,000	2, 030, 000 660, 000 800, 000 710, 000 150, 000	15,560,000 5,460,000 8,240,000 4,850,000 1,100,000	150,000	1		14,000 5,000 8,000 5,000 2,000	360, 600 90, 600 150, 600 120, 600 40, 600

¹ Includes Arizona, California, Kansas, Kentucky, and New Mexico.

The statistics in Table 12 are based upon net weight. In computing the values of the crops the average prices of cotton given in Table 11 have been used. As stated on page 21, these prices relate to cotton marketed prior to April 1, and the values given in the table are affected accordingly. With the varying conditions found throughout the cotton belt the compilation of absolutely accurate data is practically impossible. The statistics in Table 12 are therefore estimates, but it is believed they are sufficiently close to the facts to furnish a reliable basis. The average prices given in Table 11 have been multiplied in each case by the corresponding numbers representing the weights, while the average prices of seed for the several states have been applied to the estimated quantities of seed produced. The values of cotton and of seed are combined to make up the total value of the cotton crop, which appears in the first column of the table. The estimated value of the crop of 1913 is \$1,043,760,000, as compared with \$920,630,000 for 1912, \$859,840,000 for 1911, \$963,180,000 for 1910, and \$681,230,000 for 1908. Thus the value of the crop of 1913, as estimated, was \$183,920,000, or 21.4 per cent more than the estimate for 1911, notwithstanding the fact that the quantity of lint cotton was 9.8 per cent less.

Estimated seed production.—It has generally been assumed that upland cotton, on an average, "thirds itself" at the gin—that is, the seed weighs twice as much as the lint. Greater care than heretofore is now being exercised in selecting seed for planting, which, with improved methods of ginning, tends to the saving of more lint from the first ginning than formerly, the proportions being estimated at 35 per cent lint for upland and 25 per cent lint for sea-island cotton. As thus computed, the quantity of seed produced in 1913 amounted to 6,305,000 tons.

Only approximate accuracy can be claimed for the figures of cottonseed production in Table 12, as different seasons and different localities present conditions which vary considerably. The character of soil, methods of cultivation, and weather conditions during the growing and maturing periods, as well as the care exercised, materially affect the result.

NUMBER OF GINNERIES.

The number of ginneries, both active and idle, reported for each year from 1909 to 1913, and the average number of running bales ginned per active establishment, are shown, by states, in Table 13.

TABLE 13.—NUMBER OF ACTIVE AND IDLE GINNERIES, AND AVERAGE NUMBER OF RUNNING BALES, EXCLUDING LINTERS, GINNED PER ACTIVE ESTABLISHMENT, BY STATES: 1909 TO 1913.

		NUMBI	ER OF GINN	ERIES.	Average number			NUMB	ER OF GINN	ERIES.	Average number
STATE.	Growth year.	Total.	Active.	Idle.	of run- ning bales ginned per active establish- ment.	STATE.	Growth year.	Total.	Active.	Idle.	of run- ning bales ginned per active establish- ment.
United States	1913 1912 1911 1910 1909	27, 649 28, 358 29, 225 29, 380 29, 465	24, 749 25, 279 26, 349 26, 234 26, 669	2,900 3,079 2,876 3,146 2,796	567 535 502 443 381	North Carolina	1913 1912 1911 1910 1909	2,988 3,066 3,125 3,068 3,026	2,715 2,810 2,897 2,821 2,781	273 256 228 247 245	308 323 389 267 228
Alabama	1913 1912 1911 1910 1909	3, 252 3, 417 3, 569 3, 610 3, 645	2, 989 3, 130 3, 295 3, 337 3, 408	263 287 274 273 237	498 426 516 359 308	Oklahoma	1913 1912 1911 1910 1909	1,151 1,153 1,129 1,061 1,036	1,035 1,051 1,068 986 897	116 102 61 75 139	834 977 970 947 632
Arkansas	1913 1912 1911 1910 1909	2,080 2,140 2,232 2,257 2,273	1,923 1,921 2,019 2,035 2,051	157 219 213 222 222	541 402 450 393 342	South Carolina	1913 1912 1911 1910 1909	3,466 3,532 3,567 3,521 3,451	3,216 3,258 3,331 3,253 3,238	250 274 236 268 213	441 376 508 372 35 1
Florida	1913 1912 1911 1910 1909	286 303 310 312 298	221 247 276 275 252	65 56 34 37 46	302 238 342 244 246	Tennessee.	1913 1912 1911 1910 1909	639 666 666 674 705	565 584 603 602 633	74 82 63 72 72	649 458 713 533 380
Georgia	1913 1912 1911 1910 1909	4,351 4,514 4,727 4,818 4,843	3,867 3,993 4,254 4,276 4,437	484 521 473 542 406	607 454 657 424 417	Texas	1913 1912 1911 1910 1909	4,695 4,607 4,591 4,506 4,452	4,352 4,300 4,260 4,120 4,057	343 307 331 386 395	872 1,083 970 724 620
Louisiana	1913 1912 1911 1910 1909	1,525 1,599 1,675 1,760 1,840	1,198 1,132 1,233 1,249 1,431	327 467 442 511 409	365 332 310 199 184	Virginia	1913 1912 1911 1910 1909	154 153 149 142 138	134 135 131 121 106	20 18 18 21 32	183 189 237 133 101
Mississippi	1913 1912 1911 1910 1909	2, 923 3, 070 3, 357 3, 537 3, 655	2, 409 2, 598 2, 864 3, 052 3, 283	514 472 493 485 372	520 387 408 397 327	All other states 1	1913 1912 1911 1910 1909	25 25 20 16 11	23 17 13 14 9	2 8 7 2 2	1,386 649 1,289 705 260
Missouri	1913 1912 1911 1910 1909	114 113 108 98 92	102 103 105 93 86	12 10 3 5 6	625 520 868 634 517						

¹ Includes Arizona, California, Kansas, Kentucky, and New Mexico.

Notwithstanding the decided increase in the quantity of cotton ginned from the crops of 1911, 1912, and 1913, as compared with previous years, the total number of active ginneries has been decreasing. Texas shows an increase of 52 active ginneries in 1913 over the number in 1912, Louisiana 66, and Arkansas 2. Each of the other states report decreases, as compared with 1912, Mississippi showing a loss of 189, Alabama 141, Georgia 126, and North Carolina 95.

The average number of bales ginned per establishment was 567 in 1913, 535 in 1912, 592 in 1911, and 443 in 1910, the size of the crop necessarily affecting the average. As a result of the more general use of larger and more modern ginneries in the newer portions of the cotton belt, the average number of bales ginned

per establishment is naturally larger for those sections than for the older.

It is the practice of the bureau to retain on the official list and to class as "idle" all establishments which contain the machinery necessary for ginning and which may be operated at some future time, and to drop from the list as "dismantled" only those not properly equipped with ginning machinery. This accounts, in part, for the relatively large number of idle establishments. The numbers of active and of idle ginneries in each county are shown in Table 21.

ACREAGE AND PRODUCTION.

Table 14 shows, by states, the acreage from which cotton was harvested and the production for selected years.

Table 14.—COTTON ACREAGE HARVESTED AND PRODUCTION, BY STATES, FOR SELECTED YEARS: 1839 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are excluded. Census statistics of acreage prior to 1879 are not available. The statistics of acreage and of production for the census years 1879, 1889, 1899, and 1909, and those of production since 1898, are census figures based on actual canvass, while the others are as estimated by the United States Department of Agriculture.]

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GROWTH YEAR.	United States.	Alabama.	Arkansas.	Florida.	Georgia.	Louisiana.	Missis- sippi.	Mis- souri.1	North Carolina.	Okla- homa.	South Carolina.	Tennes- see.	Texas.	Vir- ginia.
1913—Acres	37, 089, 000	3,760,000	2,502,000	188,000	5,318,000	1,244,000	3,067,000	126,000	1,576,000	3,009,000	2,790,000	865,000	12,597,000	47,000
Bales	13, 982, 811	1,483,669	1,038,293	66,700	2,346,237	436,865	1,251,841	95,629	837,995	842,499	1,418,704	366,786	3,773,024	24,569
1912—Acres	34, 283, 000	3,730,000	1,991,000	224,000	5,335,000	929,000	2,889,000	112,000	1,545,000	2,665,000	2,695,000	783,000	11,338,000	47,000
Bales	13, 488, 539	1,328,297	770,937	58,833	1,812,778	374,793	1,004,376	64,573	906,351	1,005,109	1,224,245	267,439	4,645,309	25,49
1911—Acres	36, 045, 000	4,017,000	2,363,000	308,000	5,504,000	1,075,000	3,340,000	141,000	1,624,000	3,050,000	2,800,000	837,000	10,943,000	43,000
Bales	15, 553, 073	1,695,284	908,014	94,471	2,794,295	380,826	1,169,066	107,879	1,126,276	1,016,538	1,692,146	430,027	4,107,152	31,099
1910—Acres	32, 403, 000	3,560,000	2,238,000	257,000	4,873,000	975, 000	3,317,000	109,000	1,478,000	2,204,000	2,534,000	765,000	10,060,000	33,000
Bales	11, 568, 334	1,192,179	798,156	67,172	1,812,178	246, 788	1,212,104	68,694	753,087	919,842	1,210,968	321,103	2,949,968	16,098
1909—Acres	32,044,000	3,731,000	2,153,000	263,000	4,883,000	957,000	3,400,000	106,000	1,274,000	1,977,000	2,557,000	788,000	9,930,000	25,000
Bales	10,072,731	1,040,137	697,603	61,877	1,850,125	258,459	1,073,105	46,785	633,746	552,678	1,137,382	240,757	2,469,331	10,740
1908—Acres	32, 444, 000	3,591,000	2,296,000	265,000	4,848,000	1,550,000	3,395,000	87,000	1,458,000	2,311,000	2,545,000	754,000	9,316,000	28,000
Bales	13, 086, 005	1,332,003	996,093	70,598	1,977,050	466,543	1,620,325	60,025	683,628	689,345	1,215,848	334,084	3,627,350	13,113
1907—Acres	31, 311, 000	3,439,000	1,950,000	265,000	4,774,000	1,622,000	3,220,000	71,000	1,408,000	2,196,000	2,426,000	749,000	9,156,000	35,000
Bales	11, 057, 822	1,113,093	751,851	56,668	1,860,323	662,032	1,442,881	36,415	637,961	848,977	1,163,565	266,433	2,208,021	9,602
1906—Acres	31, 374, 000	3,658,000	2,097,000	283,000	4,610,000	1,739,000	3,408,000	91,000	1,374,000	1, 981, 000	2,389,000	814,000	8,894,000	36,000
Bales	12, 983, 201	1,241,133	894,268	61,473	1,632,703	955,473	1,483,408	53,684	611,258	871, 961	912,602	293,023	3,957,619	14,596
1905—Acres	26, 117, 153	3,500,168	1,718,751	256, 173	3,738,703	1,561,774	3,051,265	66,444	1,085,568	1,234,822	2,161,923	757,397	6,945,501	38,664
Bales	10, 495, 105	1,228,000	598,915	78, 838	1,725,272	511,738	1,168,059	41,664	652,815	660,027	1,112,363	269,030	2,432,718	15,666
1904—Acres	30, 053, 739	3,611,731	2,051,185	267,372	4,227,188	1,745,865	3,632,458	79,403	1,306,968	1,315,663	2,531,875	881,341	8,355,491	47,199
Bales	13, 451, 337	1,451,362	901,223	87,525	1,962,890	1,083,683	1,774,464	51,434	749,712	796,382	1,192,926	320,317	3,062,203	17,216
	28,016,893	3,608,049	1,925,191	268,666	4,048,912	1,642,463	3,327,960	68, 529	1,155,028	1,029,357	2,318,100	783, 196	7,801,578	39,869
	9,819,969	987,224	715,588	58,572	1,305,844	818,087	1,410,805	36, 839	555,320	456,704	814,351	240, 808	2,406,146	13,681
1902—AcresBales	27, 114, 103	3,501,614	1,901,758	253,961	3,863,542	1,617,586	3, 183, 989	61,830	1,075,743	1,017,090	2,205,016	754,600	7,640,531	36,843
	10, 588, 250	965,518	949,101	67,287	1,475,834	866,911	1, 423, 395	42,289	567,530	530,709	948,005	307,102	2,427,994	16,575
1901—Acres	27, 220, 414	3,642,964	1,854,482	254,596	4,006,199	1,586,124	3,193,570	55, 183	1,112,260	837,673	2,248,569	737,337	7,656,312	35, 145
Bales	9, 582, 520	1,112,892	712,492	57,144	1,373,857	834,048	1,252,728	29, 951	450,128	371,029	731,561	194,847	2,447,834	14, 009
1900—Acres	25, 758, 139	3,403,746	1,742,787	235, 451	3,783,015	1,480,781	3, 194, 795	50,173	1,091,034	709,006	2,195,252	662, 612	7,178,915	30,572
Bales	10, 102, 102	1,028,640	801,034	55, 696	1,256,901	705,061	1, 037, 029	27,130	508,302	346,237	779,849	215, 375	3,329,015	11,833
1899—Acres	24, 275, 101	3,202,135	1,641,855	221,825	3,513,839	1,376,254	2,897,920	48, 201	1,007,020	682,743	2,074,081	623, 137	6, 960, 367	25,724
Bales	9, 393, 242	1,086,667	702,512	56,821	1,287,386	701,662	1,239,373	19, 582	472,770	209,611	874,744	207, 551	2, 525, 324	9,239
1898—Acres	24, 967, 295	3,003,176	1,876,467	152,452	3,535,205	1,281,691	2,900,298	82,498	1,311,708	530; 799	2,353,213	896,722	6,991,904	51,162
Bales	11, 189, 205	1,176,042	919,469	35,064	1,378,731	717,747	1,247,128	33,207	629,620	316, 864	1,035,414	322,820	3,363,109	13,990
1897—Acres	24, 319, 584	2,709,460	1,619,785	251,109	3,537,702	1,245,399	2,778,610	83,784	1,302,437	534,656	2,074,778	967,077	7, 164, 175	50,612
Bales	10, 897, 857	1,112,681	942,267	53,657	1,350,781	788,325	1,524,771	27,082	646,726	317,561	1,030,085	268,635	2, 822, 408	12,878
1896—Acres	23, 273, 209	2,656,333	1,542,652	264,325	3,468,335	1,245,399	2,835,316	79,373	1,228,714	219,674	2,014,348	912, 337	6,758,656	47,747
Bales	8, 532, 705	833,789	605,643	48,730	1,299,340	567,251	1,201,000	24,717	521,795	122,956	936,463	236, 781	2,122,701	11,539
1895—Acres	20, 184, 808	2,371,726	1,186,655	191,540	3,069,323	1,142,568	2,487,119	48,212	1,050,183	238, 940	1,814,728	712, 763	5,826,428	44,623
Bales	7, 161, 094	663,916	520,860	38,722	1,067,377	513,843	1,013,358	11,934	397,752	82, 771	764,700	172, 560	1,905,337	7,964
1894—Acres	23, 687, 950	2,664,861	1,483,319	201,6_1	3,610,968	1,313,296	2,826,272	72,107	1, 296, 522	262,890	2,160,391	879, 954	6,854,621	61,128
Bales	9, 901, 251	900,439	748,206	50,729	1,247,952	760,757	1,231,227	25,543	479, 441	135,566	862,604	304, 981	3,140,392	13,414
1893—Acres	19, 525, 000	2,316,000	1,867,250	165,000	3,050,000	946,000	2,845,400	310,670	1,180,000	(2)	1,885,000	805, 920	4, 153, 760	(2)
Bales	7, 493, 000	810,000	679,000	55,000	1,000,000	473,000	1,050,000	103,000	400,000	(2)	650,000	276, 000	1, 997, 000	(2)
1889—Acres	20, 175, 270	2,761,165	1,700,578	227,370	3,345,104	1,270,154	2,883,278	60,620	1,147,136	71, 187	1,987,469	747, 471	3,934,525	39,213
Bales	7, 472, 511	915,210	691,494	57,928	1,191,846	659,180	1,154,725	16,941	336,261	34, 540	747,190	190, 579	1,471,242	5,375
1884—Acres	17, 439, 612	2,740,941	1,259,858	268,111	2,958,930	922,581	2,392,447	70,920	1,061,048	(2)	1,716,128	815,678	3,186,668	46,302
Bales	5, 682, 000	648,700	531,400	57,300	807,400	485,200	883,200	30,200	404,100	(2)	511,800	313,800	995,400	13,500
1879—Acres	14, 480, 019	2,330,086	1,042,976	245,595	2,617,138	864,787	2, 106, 215	34,783	893, 153	35,000	1,364,249	722,562	2, 178, 435	45,040
Bales	5, 755, 359	699,654	608,256	54,997	814,441	508,569	963, 111	21,685	389, 598	17,000	522,548	330,621	805, 284	19,595
1869—Bales 3	3,011,996	429, 482	247,968	39, 789	473,984	350,832	564,938	2,965	144,935		224,500	181,842	350, 628	183
1859—Bales 3	5,387,052	989, 955	367,393	65,153	701,840	777,738	1,202,507	42,886	145,514		353,412	296, 464	431, 463	12,727
1849—Bales 3	2, 469, 093	564, 429	65,344	45, 131	499,091	178,737	484, 292	772	73,845		300,901	194,532	58,072	3,947
1839—Bales 3	2,063,915	305,846	15,741	31,620	426,612	398, 317	504, 965	2,662	135,578		161, 123	72,327.		9, 124

¹ Includes statistics for other cotton-producing localities not named; also for Oklahoma and Virginia in 1893 and for Oklahoma in 1884.

According to the revised estimate of the Department of Agriculture, the area planted in cotton in 1913 was 37,458,000 acres, of which 369,000 acres, or 1 per cent, were abandoned, leaving 37,089,000 acres as the area from which the crop was harvested. This is an increase of 2,806,000 acres, or 8.2 per cent, as compared with 1912, and is the largest acreage—both planted and harvested—for any year. Florida and

Georgia are the only states that show reductions, as compared with 1912, while Texas shows an increase of 1,259,000 acres. The average production of lint per acre in 1913, as estimated by the Department of Agriculture, was 182 pounds, as compared with 191 pounds in 1912 and 208 pounds in 1911. The average yield per acre in North Carolina was 239 pounds, in South Carolina 235 pounds, in Tennessee 210 pounds,

² Included with Missouri.

³ The statistics of bales for 1849, 1859, and 1869 are in equivalent 400-pound bales, as expressed in the census reports for those years; those for 1839 are in equivalent bales of 383 pounds, net weight.

in Arkansas 205 pounds, and in Mississippi 204 pounds. In Oklahoma the average was only 132 pounds and in Texas 150 pounds. When conditions are favorable the yield of cotton in some localities approaches a bale to the acre. This is largely the result of improved cultural methods, which involve thorough preparation of the soil, the use of commercial fertilizers, rotation of cotton with leguminous crops, and rapid and intelligent cultivation. With the spread of the system of intensive farming there may be a large increase in production without any further extension of acreage devoted to this crop.

In 1839 cotton was grown in Delaware, Maryland, Indiana, and Illinois, the last-named state alone producing more than 5,000 bales. Under the stimulus of the high prices following the Civil War, cotton was grown to a limited extent in West Virginia, Nevada, California, Illinois, and Utah, in all of which states its cultivation subsequently ceased. New Mexico, which

produced more than 7,000 pounds of cotton in 1859, afterwards abandoned its culture, but has again established the industry, while California, as previously stated, has also resumed the cultivation of cotton.

COTTON INDUSTRY AND TRADE OF THE UNITED STATES.

A complete record of the cotton industry in the United States, covering annual statistics of production, value of upland cotton per pound, consumption, exports, and imports, since 1790, is given in Table 15, on the following page. Because of the variations in the weights of bales and differences in the methods of collecting and compiling statistics employed by the several authorities consulted, absolute accuracy can not be claimed for all of the statistics in this table, but it is believed that the figures closely approach the facts. Certainly a very interesting record of the American cotton industry is presented by these statistics, and the table will serve as a valuable reference.

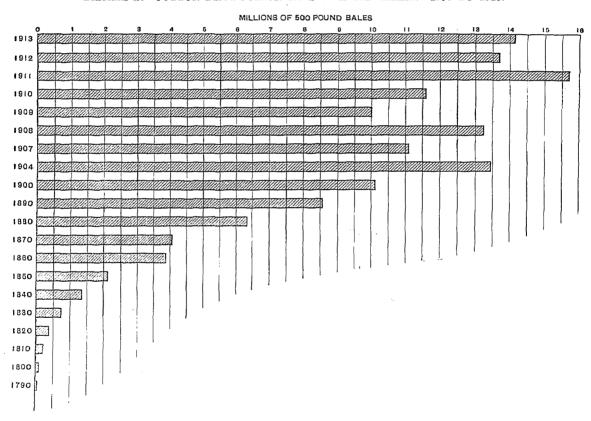


DIAGRAM 1.—COTTON PRODUCTION IN SPECIFIED YEARS: 1790 TO 1913.

Table 15.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON, FOR THE UNITED STATES: 1790 TO 1913.

Production.—The production statistics relate, when possible, to the year of growth, but when figures for the growth year are wanting, those, for a commercial crop which represents the trade movement have been taken. The statistics of production for the years 1790 to 1898, inclusive, have been compiled from publications of the United States Department of Agriculture; for the years 1899 to 1912, inclusive, and for other dates, when available, census figures are used.

Price of upland cotton.—For the years 1899 to 1912, inclusive, the price per pound shown for upland cotton represents the average price of the average grade marketed in New Orleans prior to A pril 1 of the following year; for the years 1899 to 1912, inclusive, it is the average price of middling cotton on the New Orleans Cotton Exchange; and for the years 1790 to 1889, inclusive, it is taken from reports of the United States Department of Agriculture.

Consumption.—The statistics of consumption for the years 1790 to 1834, inclusive, have been compiled from publications of the United States Department of Agriculture, and those for the years 1899 to 1903, inclusive, from the reports of Latham, Alexander & Co. Census figures are used for the years 1904 to 1911, inclusive, and for other dates when available. The statistics relate to the 12 months during which the crop of the specified year was chiefly marketed, and not to the calendar year specified.

Domestic exports and net imports.—For the years 1790 to 1819, inclusive, the statistics have been taken from American state papers, and for the years 1820 to 1910 from the reports on Commerce and Navigation of the United States, published by the Bureau of Statistics, Department of Commerce and Labor. For the years 1790 to 1842, inclusive, the statistics of exports relate to the 12 months beginning with October 1 of the specified year; for 1843 to 1886, inclusive, to the 12 months beginning with September 1. The statistics of imports relate to the same period as the statistics of consumption.

	CO	ron produc	TION.		Com				co	TTON PRODU	CTION.		Consumn		
YEAR.	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).	Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equiva- lent 500- pound bales).	Net imports (equiva- lent 500- pound bales).	YEAR.	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).	Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equiva- lent 500- pound bales).	Net imports (equiva- lent 500- pound bales).
1913 1912 1911	13, 982, 811 13, 488, 539 15, 553, 073 11, 568, 334	14, 156, 486 13, 703, 421 15, 692, 701 11, 608, 616	484 486 483 480	13.1 12.0 9.7 14.7	5,630,835 5,181,826 4,516,779	9,199,093 10,681,332 8,025,991	225, 460 229, 268 231, 191	1851 1850 1849 1848	3,126,310 2,454,442 12,469,093 2,866,938	2,799,290 2,136,083 1,975,274 2,615,031	428 416 429 436	9. 5 12. 1 12. 3 7.,5	617, 468 422, 626 575, 506 586, 032	2,186,461 1,854,474 1,270,763 2,053,204	512 330 485 22
1909 1908 1907 1906 1905	10,072,731 13,086,005 11,057,822 12,983,201 10,495,105	10,004,949 13,241,799 11,107,179 13,273,809 10,575,017	475 484 480 489 482	14.3 9.2 11.5 10.0 10.9	4,559,002 5,198,963 4,493,028 4,974,199 4,877,465	6, 491, 843 8, 889, 724 7, 779, 508 8, 825, 236 6, 975, 494	151,395 165,451 140,869 202,733 133,464	1847 1846 1845 1844	2,394,503	2,128,433 1,603,763 1,806,110 2,078,910	417 431 411 415	8.0 11.2 7.9 5.6	537, 427 385, 916 363, 365 337, 730	1,628,549 1,054,440 1,095,116 1,745,812	558 122 386 2 680
	13, 451, 337 9, 819, 969 10, 588, 250 9, 582, 520 10, 102, 102	13, 438, 012 9, 851, 129 10, 630, 945 9, 509, 745	478 480 481 489	8. 7 12. 2 8. 2 8. 1	4,523,208 3,980,567 4,187,076 4,080,287	9,057,397 6,233,682 6,913,506 6,870,313	130,182 100,298 149,113 190,080 116,610	1843 1842 1841 1840	1,683,574 1,634,954	1,750,060 2,035,481 1,398,282 1,347,640	412 409 397 394 383	7. 7 7. 2 7. 8 9. 5	298, 872 278, 196 222, 461 245, 045 236, 525	1,327,267 1,584,594 1,169,434 1,060,408	517 1,835 107 1,210
1899 1898 1897	9,393,242 11,189,205 10,897,857	9,345,391 11,435,368 10,985,040 8,515,640	480 476 489 482 477	9.3 7.6 4.9 5.6 7.3	3, 603, 516 3, 687, 253 3, 672, 097 3, 472, 398 2, 841, 394 2, 499, 731		134,778 103,223 105,802 114,712 112,001	1839 1838 1837 1836 1835	1,423,930	1,653,722 1,092,980 1,428,384 1,129,016 1,061,821	379 379 373	13. 4 10. 1 13. 2 16. 5	221,738 195,100 176,449 184,731	1, 487, 882 827, 248 1, 101, 905 888, 423 847, 263	297 319 355 2 510 427
1894 1893 1892	9,901,251 7,493,000 6,700,365	7,146,772 10,025,534 7,433,056 6,658,313	477 484 474 475	8. 2 5. 9 7. 5 8. 4 7. 3	2, 499, 731 2, 983, 665 2, 300, 276 2, 415, 875 2, 846, 753 2, 604, 401	4, 761, 505 6, 961, 372 5, 307, 295 4, 485, 251 5, 896, 800 5, 850, 219	99,399 59,405 85,735 64,394 45,580	1834 1833 1832 1831 1830	1,026,393	962,343 930,962 815,900 805,439 732,218	367 363 350 360 341	17. 4 12. 9 12. 3 9. 4 9. 7	130, 895 129, 938	774, 718 769, 436 649, 397 644, 430 553, 960	1,574 308 69 2 22 22
1890 1890 1888 1887	8, 652, 597 7, 472, 511 6, 938, 290	8,940,867 8,562,089 7,472,511 6,923,775 6,884,667	473 473 478 477 467	7.3 8.6 11.5 10.7 10.3	2,846,763 2,604,491 2,518,409 2,309,250 2,205,302 2,049,687 2,094,682	5,896,800 5,850,219 4,928,921 4,730,192 4,519,254 4,301,542 4,200,651	18,334 15,284 11,983 7,552 8,270	1829 1828 1827 1826 1825	953, 079	763, 598 679, 916 564, 854 732, 218 533, 473	339 341 335 331 312	10.0 9.9 10.3 9.3 12.2	89,723 84,788 84,516 103,535	596, 918 529, 674 421, 181 588, 620 409, 071	378 2 40 597 74 79
1886 1885 1884 1883	6,505,087 6,575,691 5,682,000 5,713,200	6, 884, 667 6, 314, 561 6, 369, 341 5, 477, 448 5, 521, 963 6, 833, 442	464 463 460 462	10.3 9.4 10.5 10.6	2,049,687 2,094,682 1,687,108 1,813,865		7,552 8,270 7,144 11,247 4,716 3,261	1824 1823 1822 1821 1820	751, 748 656, 028 704, 698 636, 042 575, 540	449, 791 387, 029 439, 331 376, 569 334, 728	286 282 298 283 278	18.6 14.7 11.4 14.3	100,000	352, 900 286, 739 347, 447 289, 350	26 932 110 2 196 427
1882 1881 1880 1879 1878	6,605,750 5,755,359	5, 136, 447 6, 356, 998 5, 466, 387 4, 745, 078	470 450 460 454 447	10.6 12.2 11.3 12.0 10.8	1,687,108 1,813,865 2,038,400 1,849,457 1,865,922 1,500,688 1,457,266	3,783,319 3,733,369 4,591,331 3,376,521 4,453,495 3,742,752 3,290,167	7,578 5,049	1819 1818 1817 1816	632, 576 446, 429 465, 950 439, 716	349, 372 261, 506 271, 967 259, 414	264 280 279 283	17. 0 24. 0 34. 0 26. 0	51, 778 35, 565 33, 473	255, 720 175, 904 184, 942 171, 299 163, 804	² 4, 571 ² 4, 454 3, 086 2, 048
1877 1876 1875	4, 4, 4, 4, 009 4, 632, 313 3, 832, 991	4, 494, 224 4, 118, 390 4, 302, 818 3, 528, 276 3, 873, 750	450 440 444 440	11.3 11.7 13.0 15.0 17.0	1,500,688 1,457,266 1,458,667 1,314,489 1,255,712 1,008,163	3,742,752 3,290,167 3,197,439 2,839,418 3,037,650 2,504,118	5,046 4,832 4,498 3,784	1814 1813 1812	369,004 254,545 304,878 304,878	209, 205 146, 444 156, 904 156, 904 167, 364 177, 824	271 275 246 246 246 246	29. 0 21. 0 15. 5 12. 5	51,778	163, 894 165, 997 35, 458 38, 220 57, 775 124, 116	² 44 ² 266 101 3,133 897
1873 1872 1871 1870	3,930,508 2,974,351 4,352,317	3,650,932 2,756,564 4,024,527	444 444 443 442	17. 0 18. 2 20. 5 17. 0 24. 0	1,098,163 1,213,052 1,115,691 1,146,730 1,026,583	2,504,118 2,682,631 2,470,590 1,824,937 2,922,757 1,987,708	3,541 10,016 6,374 1,802 3,026	1811 1810 1809 1808 1807	325, 203 286, 195 328, 000 334, 821 289, 855	171,548 156,904	297 297 250 224 276	16.0 16.0 16.0	35, 565 33, 473	124,116 186,523 101,981 21,261 127,889	2 560
1868 1867 1866 1865	1 3,011,996 2,366,467 2,519,554 2,097,254 2,269,316	2,409,597 2,198,141 2,345,610 1,948,077 2,093,658	440 444 445 444 441	29. 0 24. 9 31. 6 43. 2	796, 616 860, 481 844, 044 715, 258 614, 540	1,300,449 1,502,756 1,401,697 1,301,146	1,870	1806 1805 1804 1803 1802	304,348	167, 364 146, 444 135, 983 125, 523	280 230 249 270	23.0	23,013	70,780	6, 297 1, 485 961 456 183
1864 1863 1862 1861 1860	300,000 450,000 1,600,000 4,500,000 3,849,469	299, 372 449, 059 1, 596, 653 4, 490, 586 3,841, 416	477 477 477 477 477	83. 4 101. 5 67. 2 31. 3 13. 0	344, 278 219, 540 287, 397 369, 226 841, 975	17, 789 23, 998 22, 770 10, 129 615, 032	68,798 52,405 67,695 61,731	1801	153,509 88,889	115,063 100,418 73,222 41,841	238 228 228 228 225 225	19.0 44.0 28.0	18,829 16,737	75, 424 47, 768 41, 822 35, 580 19, 065	2 1, 153 2 170 8, 696 8, 870 7, 532
1859 1858 1857 1856	1 5,387,052 4,018,914 3,257,339	4,309,642 3,758,273 3,012,016 2,873,680	461 447 442 444	11. 0 12. 1 12. 2 13. 5	845, 410 867, 489 550, 708 761, 614	3,535,373 2,772,937 2,237,248 2,096,565	1,678	1798 1797 1796 1795	66, 667 48, 889 44, 444 35, 556 35, 556	31, 381 23, 013 20, 921 16, 736	225 225 225 225 225 225	44.0 39.0 34.0 36.5		18,720 7,577 12,213	8,870 7,532 7,761 7,336 8,737 8,592
1855 1854 1853 1852	3,074,979	3, 220, 782 2, 708, 082 2, 766, 194 3, 130, 338	420 434 430 438	10:3 10.4 11.0 11.0	731, 484 641, 391 663, 204 736, 468	2,702,863 2,016,849 1,975,666 2,223,141	2,295 4,425 1,141 1,423	1793 1792 1791 1790	22,222 13,333	10, 460 6, 276 4, 184 3, 138	225 225 225 225 225 225	33. 0 32. 0 29. 0 26. 0	11,000	9,414 3,565 1,097 277 379	8, 592 5, 127 5, 503 1, 112 697

¹ Equivalent to 400-pound bales.

² Excess of exports of foreign cotton over total imports.

COTTONSEED PRODUCTS.

Prior to the introduction of oil mills cotton seed was practically valueless, except for planting purposes. Although it was used to some extent for fertilizing and for planting, a very large proportion of the total amount produced was considered a waste product and treated accordingly. The manufacture of oil from cotton seed first reached importance in England. That country, with a crush of about 200,000 tons of cotton seed annually, was the leading cottonseed-oil producing country in the world as late as 1870. A few mills were constructed in the United States prior to the Civil War, but the growth of the industry was very slow, and at the census of 1880 only 45 such establishments were reported in the United States. Since that time the industry has shown marvelous growth in this country, there being 870 establishments engaged in the crushing of cotton seed during the season of 1913-14, with a crush of more than 4,750,000 tons. While showing no marked increase in Europe, the industry is being established in the various cotton-growing countries, mills having been built in India, Egypt. Russia, China, Brazil, and several other countries of less importance from the viewpoint of cotton production.

Many changes have been brought about in this industry, that of delinting the seed preparatory to crushing being of particular interest in a report on the cotton crop. The first mills erected were not equipped with machinery for this purpose, as the seed treated were usually of the sea-island or Egyptian varieties, which are smooth and comparatively free from lint. Practically all of the seed treated in the United States are of the upland varieties of cotton, and these seed, unless specially reginned, are covered with short fibers, which prevent a complete separation of the meats from the hulls, as small particles of the former become enmeshed in the fibers and are carried away with the hulls. When seed were first delinted, not more than

25 or 30 pounds of linters were obtained per ton of seed treated. With the increase in the value of oil and meal, efforts were made to increase the yield of these products, and machinery was devised for the closer delinting of seed. Accordingly improved machinery of this character has very generally been installed, and now many establishments obtain more than 100 pounds of linters per ton of seed treated, some obtaining as much as 150 or 160 pounds per ton. Some establishments regin the seed twice. When this is done the linters obtained in the first run are of a much better grade than those obtained in the second.

The closer delinting of cotton seed has resulted in a largely increased production of linters and a consequent lowering of the average grade. Formerly linters were used to some extent for the same purposes as the lower grades of cotton and were accordingly included in the total production of cotton. With the lowering of the average grade of linters and the enormous increase in the production, it was deemed best not to include linters in the totals of the production of cotton, and the bureau has accordingly changed its practice in this respect. The total production of linters for each year since the inauguration of the annual reports of cotton ginned by this bureau is shown in Table 1, while the amounts, by states, for the years 1909 to 1913 are given in Table 2.

Cotton seed crushed and linters obtained.—Although the data relative to the production of linters have been collected each year since 1902, in connection with the statistics of cotton ginned, information as to the quantity of cotton seed used by the oil mills in manufacture has been collected for only the last three years, except at the general censuses of manufactures. Table 16 shows, by states, for the crops of 1911, 1912, and 1913, the number of cottonseed-oil mills active, the quantity of seed crushed, the total quantity of linters obtained, and the average quantity of linters obtained per ton of seed treated.

Table 16.—NUMBER OF COTTONSEED-OIL MILLS, QUANTITY OF SEED CRUSHED, AND QUANTITY OF LINTERS OBTAINED, BY STATES: CROPS OF 1911, 1912, AND 1913.

		VE CO		COTTO	N SEED CR	JSHED,				LINTERS O	BTAINED.				
STATE.	N	Vumbe	r.		Tons.	, , , , ,	Rı	nning bal	es.	Equivalo	ent 500-pou	nd bales.	of so	age pe ed cru pounds	shed
	1918	1912	1911	1918	1912	1911	1918	1912	1911	1918	1912	1911	1918	1912	1911
United States	870	857	839	4, 767, 802	4,579,508	4, 921, 073	631, 153	602, 324	556, 276	638, 881	609,594	557, 575	67	67	57
Alabama Arkansas Florida Georgia Louisiana	156	79 42 4 157 31	78 43 4 154 34	428, 447 305, 042 23, 650 861, 177 153, 526	347, 224 249, 360 19, 069 630, 836 151, 742	410, 295 273, 455 26, 158 814, 152 157, 175	53, 860 40, 671 2, 621 110, 629 21, 823	38, 830 34, 084 1, 415 76, 185 17, 927	40,667 31,836 1,955 80,313 18,592	53, 960 42, 049 2, 409 108, 799 22, 368	39, 161 35, 106 1, 283 74, 900 18, 308	40,673 32,994 1,693 77,172 18,885	63 69 51 63 73	56 70 34 59 61	50 60 32 47 60
Mississippi. Missouri. North Carolina. Okiahoma.	4	75 4 63 55	73 4 63 48	502, 326 27, 994 317, 955 249, 721	393, 635 22, 419 309, 800 337, 617	430, 356 42, 271 330, 784 306, 842	60,766 3,399 34,998 38,536	45, 228 2, 433 28, 729 52, 016	46, 718 4, 217 39, 131 39, 260	64,658 3,538 33,321 40,867	47, 881 2, 520 26, 929 54, 857	48, 777 4, 381 28, 955 40, 830	64 63 53 82	61 50 43 81	57 52 44 67
South Carolina	23	99 23 220 5	102 22 209 5	411,292 259,556 1,166,369 60,747	340, 555 164, 703 1,570, 966 41, 582	387, 962 251, 829 1, 415, 321 74, 475	46,580 34,671 176,202 6,397	35,517 22,292 243,314 4,345	36, 989 28, 815 190, 096 6, 687	45,016 35,739 179,525 6,632	34, 131 23, 247 246, 638 4, 525	35,384 29,408 101,221 7,202	55 69 7? 55	50 71 78 54	46 58 68 48

¹ Includes California, 1; Illinois, 2; Kansas, 1; and Kentucky, 1; also Arizona, 1, in 1913.

The estimated quantity of cotton seed produced from the crop of 1913, according to Table 12, was 6,305,000 tons, which compares with 6,104,000 tons from the crop of 1912 and 6,997,000 tons from that of 1911. Of the total for 1913, 4,767,802 tons or 75.6 per cent, were taken by the oil mills, thus leaving 1,537,000 tons, or 24.4 per cent, for planting, export, feeding, and other purposes. The proportion of the seed taken by the oil mills from the crop of 1912 was 75 per cent and from the crop of 1911, 70 per cent. The proportion which the quantity of seed crushed forms of the total produced, as shown in Table 12, varies for the different states, but this is accounted for in part by the interstate shipment of seed and by differences as to accessibility to the mills and as to the quantity of the seed retained for planting, larger proportions being kept for this purpose in some localities, especially where the better varieties of cotton are grown. In Alabama, Arkansas, and South Carolina the proportion of the estimated seed production which was taken by the oil mills of those states was comparatively low, large quantities of seed grown in these states being shipped to other states for crushing. On the other hand, the amount returned by the mills in Tennessee exceeded the total production of the state. This is due to the fact that Memphis is one of the most important crushing centers in the cotton belt and draws seed from other states, particularly Arkansas.

There were 870 establishments engaged in crushing cotton seed from the crop of 1913, as compared with 857 in 1912, 839 in 1911, and 810 in 1909. Since 1909 Texas has made a gain of 37 active establishments, Oklahoma of 19, Alabama of 14, and Georgia and North Carolina of 11 each, while Mississippi shows a loss of 21 and Louisiana of 9.

The average quantity of seed crushed per establishment in the United States in 1913 was 5,480 tons, which compares with 5,344 and 5,865 tons, respectively, for the two previous seasons. Large variations appear in the averages for the different states, South Carolina showing the smallest and Tennessee the largest for each of the years named.

As previously stated, the quantity of linters produced increased from 114,544 bales from the crop of 1899 to 638,881 bales from the crop of 1913. Statistics as to the quantity of seed treated in obtaining the linters have been collected for only the last three years, but it is evident that the average production of linters per ton of seed crushed has been steadily increasing. The average for the country as a whole was 67 pounds in 1913 and in 1912, and 57 pounds in 1911. The increase in the average for 1912 over that for 1911 was so marked that the bureau corresponded with a number of establishments which showed the largest average production per ton of seed treated. The replies received to these letters of inquiry indicate that the

installation of improved machinery, which effects closer delinting, was the most important factor in bringing about the increase. The average for 1913 would have exceeded that of 1912 had there not been such a decrease in quantity of seed treated in Texas and Oklahoma, where the highest averages obtain, the states in the eastern part of the cotton belt all showing increases. For 1913 Oklahoma shows 82 pounds of linters per ton of seed treated; while Texas is second, with 77 pounds; Louisiana third, with 73 pounds; and Arkansas and Tennessee next, with 69 pounds each. In Florida and Georgia the averages are affected somewhat by the sea-island seed treated, the yield of linters obtained from this seed being very small, some of it not being delinted at all.

Cotton seed crushed and linters obtained to specified dates.—Prior to the season of 1912–13 statistics of linters obtained by reginning cotton seed were collected only in March of each year. For the crop of 1912 data were also obtained showing the quantity of seed crushed and linters obtained to January 1, and for the crop of 1913 the quantities to December 1 and January 1. This information is given, by states, in the following table:

Table 17.—Cotton seed crushed and linters obtained to specified dates, by states: Crops of 1912 and 1913.

		SEED OF C			OF CEO OBTAINE	
STATE.	Janu	ary 1.	December 1.	Janu	ary 1.	Decem- ber 1.
	1918	1912	1913	1913	1912	1913
United States		Tons. 2,739,897	Tons. 2, 192, 276	Bales. 397, 974	Bales. 352, 972	Bales. 288, 468
AlabamaArkansasFlorida	262, 854 175, 312 17, 578	235, 264 142, 533 15, 650	192, 841 116, 632 13, 806	32, 789 22, 667 1, 677	25, 966 18, 839 1, 154	23, 863 15, 299 1, 397
Georgia Louisiana	515, 137 103, 022	405, 541 94, 877	375, 266 74, 625	65, 461 13, 538	48,900 10,324	46, 846 9, 508
Mississippi Missouri	284, 527 19, 530	241, 987 15, 568	195,700 13,749	34, 620 2, 381	27,936 1,642	23, 390 1, 649
North Carolina Oklahoma South Carolina	162, 995 188, 473 239, 439	160, 164 191, 936 203, 889	114, 283 136, 191 171, 496	17, 607 28, 885 26, 779	14,889 28,794 20,719	11, 823 20, 966 19, 105
Tennessee	151, 221 860, 321	203, 889 107, 739 901, 047	100,120 667,176	19, 234 129, 243	13, 432 138, 190	12,658 99,959
All other states	32, 276	23,702	20,391	3,093	2,187	2,005

Prior to January 1, 1914, 3,012,685 tons of cotton seed from the crop of 1913 were crushed, compared with 2,739,897 tons from the crop of 1912. These amounts represent, respectively, 63.2 per cent and 59.8 per cent of the totals crushed for the two seasons. The states crushing prior to this date the largest proportions of their totals for the season are Oklahoma, with 75.5 per cent; Florida, with 74.3 per cent; and Texas, with 73.8 per cent; while North Carolina, with 51.3 per cent, shows the smallest proportion.

Nearly one-half of the total quantity of seed crushed from the crop of 1913 was treated by the mills prior to December 1. In Texas, where some mills began operation much earlier than in the other states, 57.2 per cent of the total quantity of seed crushed for the season was treated prior to December 1, while the proportion in Oklahoma, where the crop was affected by the drought, was 54.5, and in Florida 58.4. On the other hand, only 35.9 per cent of the total quantity crushed in North Carolina was treated prior to that date.

Comparative data for the industry.—The remarkable development of the cottonseed products industry in the United States is indicated in Table 18, which shows the estimated quantity of cotton seed produced, the quantity utilized for manufacturing purposes, and the estimated quantities and values of crude products manufactured, together with statistics regarding the exports of cotton seed and its products.

Table 18.—ESTIMATED QUANTITY OF COTTON SEED PRODUCED, QUANTITY OF COTTON SEED CRUSHED, ESTIMATED QUANTITIES AND VALUES OF CRUDE PRODUCTS OBTAINED, AND EXPORTS OF COTTONSEED PRODUCTS: 1874 TO 1913.

[In the preparation of this table a number of sources of information have been utilized, but it has been found impracticable to secure in all instances satisfactory data for the years indicated, and only an approximation to the facts is claimed. Statistics of the quantity of seed produced and the quantity crushed and of cottonseed products relate to the growth year, while the statistics of exports are for the year ending June 30, following.]

	COTTON	SEED-				CRUDE C	OTTON SEE	D PRODUCI	s.		!		EXPORTS.	
				Oi	1.	Cake a	nd meal.	H	ulls.	Li	nters.		Cotton produ	
YEAR.	Produced (tons).	Crushed (tons).	Total value.	Quantity (gallons).	Value.	Quantity (tons).	Value.	Quantity (tons).	Value.	Quantity (bales of 500 pounds net).	Value.	Cotton seed (tons).	Oil (gallons).	Cake and meal (tons).
1913	6, 305, 000 6, 104, 000 6, 997, 000 5, 175, 000 4, 462, 000	4,767,802 4,579,508 4,921,073 4,106,000 3,269,000	\$155, 500, 000 132, 230, 000 131, 340, 000 142, 710, 000 105, 720, 000	197, 160, 000 185, 750, 000 201, 650, 000 167, 970, 000 131, 000, 000	\$83, 320, 000 69, 100, 000 66, 580, 000 80, 430, 000 55, 230, 000	2,090,000 1,999,000 2,151,000 1,792,000 1,326,000	\$52,790,000 45,970,000 49,720;000 44,660,000 35,910;000	1,564,000 1,540,000 1,642,000 1,375,000 1,189,000	\$12,230,000 9,710,000 9,890,000 11,370,000 9,810,000	611, 110 583, 091 533, 099 379, 576 296, 640	7,450,000 5,150,000 6,250,000	12, 024 32, 030 6, 612 12, 466	42, 031, 052 53, 262, 706 30, 069, 459 29, 860, 667	564, 046 646, 845 402, 298 320, 044
1908			86,090,000 65,980,000 94,380,000 64,950,000 69,310,000	146,790,000 103,050,000 153,760,000 125,700,000 133,820,000	44,090,000 33,390,000 43,050,000 26,400,000 31,340,000	1,492,000 1,043,000 1,786,000 1,272,000 1,360,000	33,580,000 23,300,000 30,140,000 29,250,000 27,770,000	1,330,000 927,000 1,593,000 1,135,000 1,213,000	6,080,000 6,370,000 8,840,000 5,110,000 5,590,000	330, 277 256, 487 307, 518	3,350,000 4,190,000	8.814	51,087,329 41,019,991 41,880,304 43,793,519 51,535,580	670 484
1903		3, 241, 000 3, 269, 000 3, 154, 000 2, 415, 000 2, 479, 000	73, 930, 000 71, 290, 000 62, 980, 000 48, 230, 000 42, 410, 000	122, 910, 000	39,000,000 40,560,000 33,210,000 26,080,000 21,390,000	1, 156, 000 1, 165, 000 1, 125, 000 845, 000 884, 000	24,840,000 23,310,000 21,930,000 16,270,000 16,030,000	1,528,000 1,541,000 1,487,000 1,139,000 1,169,000	5,710,000 5,390,000 6,320,000 3,990,000 3,190,000	111, 096 114, 544	2, 030, 000 1, 520, 000 1, 890, 000 1, 800, 000	28, 202 21, 665 24, 928	35, 642, 994 33, 042, 848 49, 356, 741	525, 233 629, 344
1898 1897 1890 1895		2,353,000 2,101,000 1,628,000 1,435,000 1,677,000	27, 960, 000 26, 680, 000 26, 260, 000 20, 180, 000 24, 870, 000	94, 110, 000 84, 040, 000 65, 120, 000 57, 390, 000 67, 090, 000	13, 180, 000 12, 610, 000 11, 720, 000 11, 480, 000 13, 420, 000	823, 000 735, 000 570, 000 502, 000 587, 000	14,780,000 14,070,000 14,540,000 8,700,000 11,450,000					17, 222 16, 382 13, 283 13, 490 5, 520	50, 627, 219 40, 230, 784 27, 198, 882 10, 445, 848 21, 187, 728	539,997 459,864 311,693 202,469 244,858
1893 1892 1891 1890		1,431,000 1,050,000 1,058,000 1,023,000 874,000	28,500,000 18,630,000 20,520,000 19,790,000 16,400,000	42,740,000 40,930,000	16, 600, 000 10, 080, 000 11, 540, 000 11, 460, 000 10, 130, 000	501, 000 368, 000 374, 000 358, 000 306, 000	11, 900, 000 8, 550, 000 8, 980, 000 8, 330, 000 6, 270, 000					2,710 2,260 6,075 5,054 3,830	13,384,385	
1888 1887 1886 1885		794,000 823,000 694,000 578,000 499,000	20,370,000 17,130,000 12,820,000 10,970,000 10,470,000	31,770,000 32,910,000 27,770,000 23,140,000 19,950,000	6.710.000	278, 000 288, 000 243, 000 202, 000 174, 000	6,390,000 5,610,000 4,770,000 4,260,000 3,490,000					5,687 3,109 5,610 5,897 5,523	4, 458, 597 4, 067, 138 6, 240, 139	
1883		396, 000 392, 000 295, 000 182, 000 235, 000	9,850,000 10,640,000 8,380,000 4,610,000 5,640,000	15, 840, 000 15, 680, 000 11, 780, 000 7, 290, 000 9, 420, 000	5, 420, 000 2, 770, 000	138,000 137,000 103,000 64,000 82,000	3, 830, 000 3, 580, 000 2, 960, 000 1, 840, 000 1, 970, 000				{	2,837 5,900 5,951 5,814 6,071	3,605,940 415,611 713,549 3,444,084	
1878 1877 1876 1875	2,268,000 2,148,000 1,969,000 2,057,000 1,687,000	181,000 150,000 98,000 123,000 84,000	3, 810, 000 3, 910, 000 2, 610, 000 3, 970, 000 2, 530, 000	7, 260, 000 6, 020, 000 3, 940, 000 4, 940, 000 3, 370, 000	1,770,000 2,670,000	64,000 53,000 34,000 43,000 30,000	1,410,000 1,260,000 840,000 1,300,000 940,000					8, 199 8, 379 5, 155 2, 582 2, 658	5,352,530 4,992,349 1,705,422 281,054	

1 The figures of the Thirteenth Census are not shown in this table because they do not represent a single growth year.

The average yields of oil, meal and cake, and hulls per ton of seed crushed vary for the different years and for the several states, according to the seasons, the kinds and conditions of the seed, and the efficiency of the crushing plants. The estimated quantities of these products for 1913, however, are based upon the average production per ton of seed crushed, as returned at the census of 1910, which related to

seed crushed from the crops of 1908 and 1909. The value of the products has been computed according to prices furnished by manufacturers. The bureau does not claim absolute accuracy for the statistics in this table, except for the quantities of linters since 1899 and of seed crushed for 1911, 1912, and 1913, but presents the estimates for the other items as approximately correct.

LOCALIZATION OF COTTON GINNING.

The cotton crop of 1913 was ginned in 888 counties, that of 1912 in 877, and that of 1911 in 883. In several instances there were counties in which the ginneries were active for one crop and idle for another, this fact accounting, in part, for the differences in the number of counties for the different crops. Table 19 gives the number of counties, by states, from which cotton ginning was reported, and classifies the counties according to the total quantities returned by the ginners.

Of the total number of counties reporting cotton ginned from the crop of 1913, 265 returned less than 5,000 equivalent 500-pound bales each, as compared with 264 from the crop of 1912 and 243 from the crop of 1911. For many of these counties the quantity of cotton reported is small, in some cases only one or two ginneries being operated in a county. There were 189 counties which reported more than 25,000 bales each in 1913, as compared with 166 in 1912 and 221 in 1911. There were 38 counties which reported more than 50,000 bales each in 1913, 11 of which—4 in Mississippi and 7 in Texas—returned more than 75,000 bales each and 5—Bolivar County, Miss., and Ellis, Williamson, McLennan, and Navarro Counties, Tex., in the order named—more than 100,000 bales each.

The counties reporting cotton ginned are indicated on the United States map on page 34, while on the state maps, pages 71 to 79, inclusive, the counties ginning cotton are designated according to the production in 500-pound bales.

Table 20 shows the quantity of sea-island cotton ginned to December 13 and for the season, by counties, Table 21 gives similar data for sea-island and upland cotton combined, as well as the number of active and idle ginneries, while Table 22 presents statistics of

cotton ginned to specified dates and throughout the season. Linters are not included.

Table 19.—Cotton-producing counties classified according to quantity of cotton ginned, by states: 1911, 1912, and 1913.

			NUMBE	ER OF C	OUNTIE	S GINNI	NG	
						:	T	1
STATE.	Year.	Total.	Less than 5,000 bales.	5,000 to 10,000 bales.	10,000 to 15,000 bales.	15,000 to 25,000 bales.	25,000 to 40,000 bales.	40,000 bales and over.
United States	1913 1912 1911	888 877 883	265 264 243	143 145 119	117 129 122	174 173 178	127 109 137	62 57 84
Alabama	1913 1912 1911	67 67 67	3 3 3	7 6 3	7 13 8	23 22 22	24 20 23	3 3 8
Arkansas	1913 1912 1911	71 71 71	13 18 16	18 17 14	11 15 17	19 17 17	6 4 5	<u>4</u>
Florida	1913 191 2 1911	24 24 24	23 23 19	4		1 1 1		
Georgia	1913 1912 1911	143 142 140	24 26 20	19 38 15	32 32 22	41 36 41	21 10 31	6 11
Louisiana	1913 1912 1911	54 52 52	27 27 27	1d 9 9	7 9 7	5 5 8	4 1 1	1 1
Mississippi	1913 1912 1911	77 76 77	29 27 19	9 10 11	13 13 15	12 17 20	8 3 7	. 6 . 5
Missouri	1913 1912 1911	11 10 11	8 7 7	1 1 1	1	1	1 1 1	i
North Carolina	1913 1912 1911	75 75 74	27 27 21	21 18 17	9 10 11	8 8 11	9 11 8	1 1 6
Oklahoma	1913 1912 1911	63 63 66	15 17 16	9 5 10	14 9 6	16 20 21	8 10 11	1 2 2
South Carolina	1913 1912 1911	44 44 43	1	3 5 3	2 5	12 11 9	16 16 13	10 6 18
Tennessee	1913 1912 1911	32 32 33	12 16 13	8 5 4	1 4 5	5 6 4	5 6	1 1 1
Texas	1913 1912 1911	209 204 209	69 58 70	35 28 24	21 18 31	30 30 23	25 33 31	29 37 30
All other states	1913 1912 1911	18 17 13	14 14 12	3 3 4		1		

COTTON-PRODUCING AREA OF THE UNITED STATES IN 1913, AND CENTER OF PRODUCTION: 1859-1913.

The cotton-producing area of the United States, as shown by the returns of ginners, is indicated on the map below. Localities producing upland cotton only are represented by diagonal lines, and those producing seaisland or both sea-island and upland, by intercrossed lines. On pages 71 to 79 will be found maps of the principal cotton-producing states, upon which are indicated the relative quantities of cotton produced by counties in 1913. The centers of production in the United States for the crops of 1859, 1879, 1899, 1906, 1908, 1910, 1911, 1912, and 1913 are indicated on the map below. The center of production in 1859 was approximately 13 miles southeast of Macon, in Noxubee County, Miss.; in 1879 it was 11 miles south of Columbus, in Lowndes County; in 1899 it was 13 miles southeast of Lexington, in Holmes County; in 1906 it was 5 miles mortheast of Mayersville, in Issaquena County; in 1908 it was 4 miles west of Lexington, in Holmes County; in 1910 it was 3 miles southwest of Vaiden, in Carroll County; in 1911 it was in Attala County, 2½ miles southwest of French Camps; in 1912 it was in Sharkey County, 2 miles north of Midnight; and in 1913 it was in Attala County, 10 miles northwest of Koscisusko.

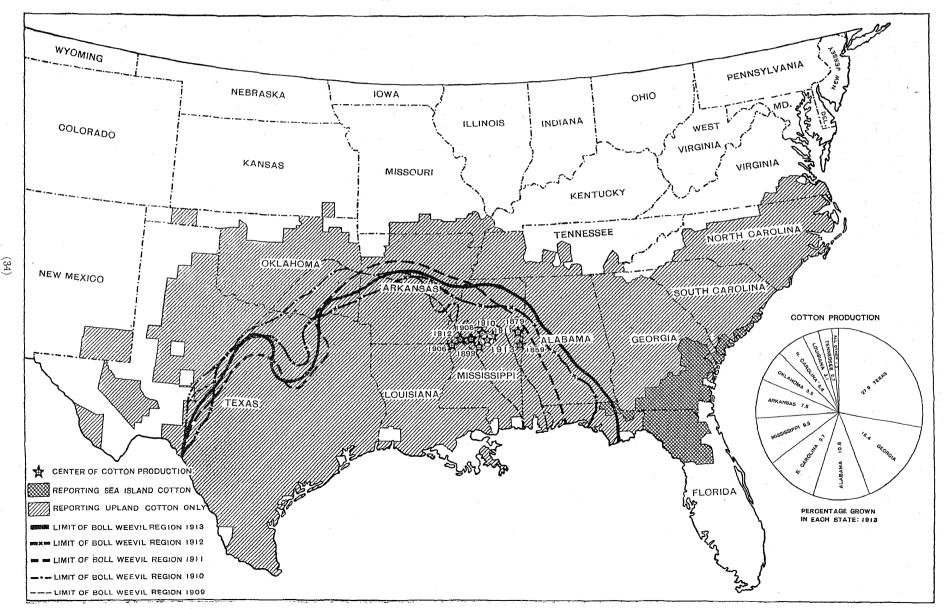


TABLE 20.—QUANTITY OF SEA-ISLAND COTTON GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES. [Cotton shown in this table is also included in Table 21.]

			The latest and the second second second			A CONTRACTOR OF THE STATE OF TH		SEA-ISL	AND CRO	P (BALES))—	si	SEA-ISLAND COTTON GINNED TO DEC. 13 (BALES)—						
	COUNTY.								1911	191	0 19	09	1913	1912	1911	1910	1909		
,								FLOR	IDA.			·	<u> </u>						
The state						25, 587	22, 334	41, 2'	70 29,	417 28	, 158	24, 126	19, 505	35, 585	25, 854	26, 870			
AlachuaBakerBradfordColumbia							5, 912 724 2, 649 2, 296	1.899	1,1	39 7, 12 1, 55 3, 06 2,	033 251 3	,695 865 ,302 ,377	5,725 701 2,596 2,265	4, 661 300 1, 660 1, 421	9,055 983 4,467 2,982	6,391 916 2,922 2,321	5,288 816 3,231 2,314		
Hamilton Jackson Jefferson Lafayette					3,778 80 125 697	131 210	20	92	506 3 109 169 814	,756 162 214 638	3,538 28 125 605	2,086 89 195 581	3,499 200 280 1,004	2,954 75 147 756	3,495 130 209 608				
Madison Suwanee Taylor All other								4, 684 4, 391 231 420	5,6	78 3, 63	441 6 976 4 323 227	,470 ,296 217 166	3,937 4,225 160 221	4,010 3,993 199 310	7,589 5,023 319 184	5, 554 3, 392 294 132	6,260 4,188 199 132		
						***************************************	!	GEOR	GIA.										
The state.			*********				43,305	43,736	72, 90	04 47,	935 52	,060	39,014	35, 418	58,008	39,725	47,564		
Appling Berrien Brooks Bulloeh							1,815 8,003 2,028 4,457	2,117	4,59 11,55 2,58 9,20	35 7, 36 7,	186 7 982	,134 ,702 ,834 ,020	1,606 7,348 1,899 3,837	2, 107 6, 788 1, 732 5, 323	3,514 9,536 2,227 6,985	2,415 6,440 917 6,688	2,956 7,271 808 8,095		
ClinchCoffeeColquittEchols	: ,						555 3,109 950 89	4,125 1,067	8,3	72 4, 37 4,	644 932 5 610 417	849 ,318 280 516	2,741 882 89	3,116 957 208	757 6,499 1,728 489	456 4,216 573 375	781 4,878 259 498		
Emanuel. Irwin. Lowndes.								173 10 6,558 2,540	11,8	57 19 7,5		347 62 ,384 ,889	9, 766 2, 631	128 10 5,693 1,762	125 41 10,198 4,505	180 28 6,908 2,292	338 61 7,946 3,465		
Tattnall Ware Wayne All other					<i></i>		5,397 578 1,893 876	1,726	3, 20	38 04 2,	662	,338 632 ,927 828	4,751 520 1,718 710	3,941 465 1,244 1,467	6,823 617 2,397 1,567	5,404 557 1,799 477	6,505 585 2,448 670		
							sot	JTH C	ROLI	NA.						, ,	-		
The state							8,671	7,707	5,1	19 13,	016 14	, 573	6,380	5, 522	4,442	9, 649	10,743		
Beaufort Charleston Colleton All other							1,662 7,009		4,4	57 11,	538 2 184 12 260 34	,143 ,223 170 37	721 5,659	4,999 8	3,947 4	825 8,651 149 24	1,289 9,296 128 30		
TABLE 21.—	NUM	BE	R OF G	INNEF	IES II TH	V 1913 E CRO	AND Q PS OF	UANTI 1909 TO	ry of) 1913,	COTTO BY CO	ON, EX	CLUSI ES.	VE OF	LINTI	ERS, GI	NNED	FROM		
	GINNI	RES				TOT	TAL QUAN	TITY GINN	ED.				NUMBER OF BALES GINNED TO DEC. 13						
COUNTY.	Ac- tive.	Idle	Numl	per of bale	s (counti bales)—	ng round :	as half	is half Number of equivalent 500-pound bales					(CO)	BER OF E	OUND AS I	EC. 13 ES)—			
	197	13	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909		
•							[8	ALAB. See map or		.]									
The state	2,989	263	1,483,669	1,328,297	1,695,284	1,192,179	1,040,137	1,495,485	1,342,275	1,716,534	1,194,250	1,024,350	1,444,21	2 1,234,75	5 1,561,136	1,128,470	987, 254		
Autauga Baldwin Barbour Bibb Blount	51 12 85 27 41	4 9 8 4	20, 542 850 34, 753 8, 343 14, 901	17,812 1,714 29,973 7,300 12,372	20, 252 3, 629 36, 225 10, 066 16, 256	14,887 2,821 25,759 6,964 11,018	12,823 2,144 24,888 5,314 8,944	20, 579 848 34, 795 8, 969 14, 582	17,605 1,747 29,487 7,661 11,988	20,540 3,711 35,790 10,505 15,190	14,899 2,855 24,270 7,297 10,478	12,941 2,104 24,186 5,401 8,146	33,761 8,043	1,525 27,390 6,825	3,209 33,416 9,110	14,664 2,559 25,164 6,590 10,065	12,502 1,924 24,494 4,938 8,404		
Bullock Butler Calhoun Chambers Cherokee	50 48 52 59 62	1 5 4 4 5	27, 205 26, 062 22, 176 36, 286 21, 739	23,756 24,417 17,634 32,682 16,725	34,574 27,310 24,610 42,862 23,145	26,412 19,696 15,893 33,493 14,946	17,628 18,530 13,317 27,168 13,696	27, 444 26, 475 21, 843 37, 186 21, 200	24,417 25,145 17,468 32,166 16,223	35,702 28,066 24,541 42,879 22,358	27, 290 20, 061 15, 661 33, 788 14, 211	17,475 18,341 13,056 26,619 12,981	26,671 25,692 21,670 34,300 21,102	22,618 23,088 16,182 30,614	32,890 26,179 22,900 39,119	26,065 19,363 14,945 31,936	16,994 17,940 12,055 25,081		
Chilton Choctaw Clarke Clay	31 46 78 58	4 11 10 5	16, 204 5, 136 10, 837 17, 920	15,560 10,561 17,549 16,451	20,327 15,486 21,968 21,250	14,239 11,673 15,888 15,437	10,872 10,745 15,049 12,812	16, 223 5, 285 11, 401 17, 160	15, 299 10, 804 18, 146 15, 678	20,148 15,771 22,816 20,209	14,037 11,855 16,501 14,542	9,891 10,771 15,404 12,320	15, 959 4, 854 9, 650 16, 947	14,959 9,169 14,081 14,606	19, 207 12, 999 18, 631 19, 308	13,003 13,889 10,775 14,056 14,493	12,742 10,078 9,555 13,910 11,560		
Coffee Colbert Conecuh	30 42 24 48	10 4 4	7,681 33,024 15,025 16,276	7,188 30,753 11,419 14,919	9,684 37,923 13,675 20,138	6,280 25,104 11,614 12,580	6,092 22,639 9,130 10,123	7,000 32,482 15,578 16,814	6,537 30,384 11,556 14,561	9,200 37,324 14,326 19,840	5,577 24,245 11,758 12,161	5,328 21,403 9,020 10,001	7,345 32,140 14,801 15,685	6,272 28,047 10,445 13,719	8,718 35,898 12,065 18,667	5,707 24,414 10,700 11,319 12,245	5,522 21,981 9,021 9,280		
Coosa Covington	47 41	3	16,484 29,169	15,166 24,647	18,851 24,471	12,820 16,194	11,069 13,673	15,571 28,411	14,468 23,617	17,761 23,644	11,884 15,222	10,385 12,737	15, 609 28, 684	22,705	17, 109 22, 392	15, 695	10, 209 13, 098		

9,938 19,455 4,617 10,176 13,036

7, 622 15, 506 4, 260 9, 715 9, 823

11, 558 17, 081 4, 438 10, 343 9, 649

10,666 12,902 5,200 9,249 12,985

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

				HT	E CRO	PS OF	1909	FO 1913	B, BY	COUNT	'IES—C	Continue	d.					
	GINNER	ŒS				TOT	NUMBER OF BALES GINNED TO DEC. 13											
COUNTY.	Ac- tive. Idle		Numb	er of bale	s (countir bales)—	g round	as half	Numl	or of equ	ivalent 50	0-pound l	nales	(COUNTING ROUND AS HALF BALES)—					
	1918		1913	1912	1911	1930	1900	1918	1912	1911	1910	1909	1913	1912	1911	1910	1909	
		[]					ALA	BAMA	-Contin	æd.		<u>'</u>	<u>' - i </u>	!			·	
Crenshaw		1	28, 633 24, 123	27, 552 20, 573	30, 736 27, 914	20, 129 18, 807	18, 438 15, 510	29,572 23,862	29, 244 20, 552	30, 466 27, 707	20, 371 18, 551	18,399 15,001	26, 854 23, 562	25, 053 19, 250	29, 168 25, 908	19,942 17,030	16, 826 14, 881	
Dale Dallas Dekalb	42 84 49	5 4 1	29, 281 45, 466 24, 188	27, 151 40, 854 19, 255	31, 513 52, 783 23, 004	20, 757 36, 432 13, 891	21,366 37,969 13,669	27,583 46,648 22,616	26, 402 41, 933 18, 616	30, 252 53, 226 22, 581	19,308 38,217 13,391	19,392 40,384 13,043	28, 649 45, 136 23, 591	24, 845 39, 765 17, 551	30, 185 51, 018 21, 110	20, 272 34, 938 10, 611	20, 862 36, 400 12, 289	
Elmore Escambia	54 20	4 2	30,746 7,637	27, 248 8, 275	32,008 9,765	24, 168 7, 690	18,382 5,253	30,532 7,752	27, 215 8, 628	32,366 10,322	23, 728 8, 116	17, 165 5, 266	29,500 7,581	25,318 7,842	28, 262 9, 132	23,357 7,452	17, 957 4, 924	
Etowah Fayette Franklin	40 56 28	2 4	17, 838 14, 248 13, 861	14, 285 12, 717 11, 354	19,687 14,349 14,576	13, 251 10, 574 9, 753	10, 208 8, 788 8, 216	17,388 14,282 13,955	13, 831 12, 893 11, 327	19,470 14,622 14,626	12,504 10,944 9,693	9,344 8,793 7,820	17,342 13,528 13,378	11,966 11,622 9,759	17, 236 12, 331 12, 291	11,851 9,760 8,875	8, 938 8, 062 7, 768	
Geneva Greene Hale	30 29 48	3 2 4	34,014 17,525 26,245	29,317 17,426 22,767	34,269 21,551 27,160	23,196 17,430 17,768	20,424 13,117 16.838	32,681 18,422 26,618	29, 241 18, 844 24, 251	33,344 22,835 28,518	22,593 18,333 18,010	20, 257 13, 214 16, 609	33,600 17,300 25,404	28,009 16,580 22,082	32,865 19,965 26,307	22,514 16,915 17,343	20, 025 12, 373 16, 245	
Henry Houston	45 34	3	27, 219 35, 491	25, 585 30, 536	32,998 37,300	22, 636 22, 354	25, 252 24, 007	27,916 35,889	26, 250 31, 855	33, 335 38, 717	22, 595 22, 595	25, 015 23, 879	26, 747 34, 949	24, 845 29, 392	30, 841 34, 865	22,064 21,426	24, 794 23, 665	
Jackson Jefferson Lamar	32 53 44	6 2	15, 565 7, 957 15, 330	11,699 7,212 12,906	14, 181 10, 932 17, 068	8, 840 5, 937 13, 599	8, 484 4, 995 10, 404	16,091 7,992 15,523 22,065	11, 999 7, 291 12, 996	14,901 11,030 17,495	9,102 6,000 13,800 17,469	8,565 4,991 10,281 13,087	14, 694 7, 494 14, 795 21, 797	10, 459 6, 195 11, 766 15, 454	11,647 9,312 14,820 19,863	7,267 5,222 12,743 15,754	8,163 4,489 9,344 12,715	
Lauderdale Lawrence	43 27 42	1 6 4	22, 083 19, 018 32, 583	17, 479 14, 934 29, 239	23, 436 18, 687 39, 616	17,306 14,573 29,268	13,019 12,900 24,237	19,870 33,854	17, 734 15, 499 20, 169	24,111 18,825 40,202	14,631	13, 176	18, 502 31, 502	13, 182	15, 590 37, 471	12,771 28,532	12,398 23,270	
Limestone Lowndes Macon	32 63 39	6	21, 493 34, 107 32, 031	18, 012 30, 465 28, 019	24, 755 44, 060 38, 164	17, 340 30, 732 26, 532	13, 938 24, 637 20, 651	22, 146 35, 698 32, 223	19, 132 31, 529 27, 515	26, 458 45, 823 38, 645	18,328 31,650 26,585	14, 515 24, 566 20, 668	21, 276 33, 634 31, 524	15, 557 29, 508 27, 399	20,742 41,573 36,699	15,300 29,976 26,352	13,600 23,980 19,936	
Madison Marengo	50	4	31, 236 33, 493	24, 354 33, 673	28,099 41,778	23, 503 28, 571	19,536 27,874	32,398 34,277	25, 591 34, 245	29,543 43,416	24, 349 28, 874 10, 334	10,911 27,668 8,293	30, 834 33, 008 14, 555	22, 176 31, 967 10, 818	25, 175 38, 945 13, 774	21,299 28,012 9,244	18,903 26,424 8,018	
Marshall Mobile Monroe	47	1 2 2 1	14, 890 30, 334 264 22, 530	11,068 24,047 301 23,704	15, 453 29, 158 909 29, 085	10, 217 19, 238 879 21, 661	8, 443 16, 843 502 19, 132	14,610 28,945 242 22,877	12, 023 23, 460 292 24, 766	15, 870 28, 260 874 30, 749	18, 191 889 23, 005	15, 724 497 19, 660	29, 622 228 21, 818	21, 448 231 21, 038	26, 374 464 28, 025	16, 263 704 20, 494	15,397 277 18,342	
Montgomery Morgan Perry	55 36 50	2 3 5	45, 059 22, 071 32, 326	44, 161 18, 477 30, 767	59, 351 23, 452 32, 586	38,300 16,784 23,043	34, 360 13, 675 30, 050	47, 480 22, 883 34, 001	46, 587 19, 005 32, 195	62,680 24,484 33,909	39,894 17,445 23,000	35, 195 13, 845 29, 713	44,066 21,629 31,759	42,313 16,511 29,151	56, 466 20, 626 31, 256	37, 296 14, 535 22, 087	32,309 12,864 28,965	
Pickens Pike	40 45	10 9	17, 441 42, 473	15, 924 40, 562	21,708 48,623	19, 127 32, 236	13, 252 28, 367	17, 804 44, 299	16, 316 42, 314	22, 255 50, 568	19,674 33,132	12,775 28,781	17,007 42,287	15, 106 38, 229	18,623 46,654	18, 042 32, 057	12,353 28,091	
Randolph Russell St. Clair Shelby	62	1 5 -4	23, 618 31, 460 12, 182 12, 670	19,995 25,151 9,920 10,352	26, 706 37, 877 13, 671 15, 453	17,893 27,626 8,789 10,570	15, 416 20, 482 6, 957 8, 541	22,711 32,228 12,314 12,840	18, 971 25, 428 10, 005 10, 393	25, 526 38, 968 13, 933 15, 719	16, 494 28, 234 8, 768 10, 819	13,693 19,945 6,691 8,543	22,605 29,947 11,817 12,394	17,955 23,332 9,152 9,664	24,312 34,673 12,555 14,286	16,523 25,901 8,282 10,225	13,868 19,490 6,277 7,784	
Sumter Talladega	35 47	11	15, 713 36, 962	19, 436 29, 050	23, 652 39, 024	19,677 29,242	15, 658 22, 688	16, 206 36, 836	19, 996 29, 137	24, 612 38, 969	19,610 29,324	15, 110 22, 208	15,049 36,145	18, 243 27, 559 27, 240	21, 451 36, 958	19,058 28,364	14,7 11 21,171	
Tallapoosa Tuscaloosa	52 75	7	30, 680 22, 024	28, 717 19, 570	37, 206 26, 040	28,511 19,860	24, 999 16, 623	30, 253 22, 860	27, 782 20, 254	35, 924 26, 904	27,310 20,634	23, 590 16, 997	29, 464 21, 244	18,395	34,390 23,065	27,793 18,547	23, 426 15, 400	
Walker Washington Wilcox Winston	40 16 66 31	5 9 6 2	8, 225 1, 607 30, 058 9, 058	7, 184 2, 250 28, 299 6, 977	9, 498 4, 431 39, 169 9, 141	5,802 3,568 25,069 5,323	4, 567 3, 205 27, 099 4, 450	8, 205 1, 655 30, 198 8, 339	7, 114 2, 287 28, 627 6, 584	9, 401 4, 629 40, 426 8, 717	5,616 3,755 25,286 4,985	4, 434 3, 303 27, 196 4, 102	7, 983 1, 500 29, 669 8, 855	6,549 2,053 27,272 6,248	8,122 3,795 37,600 7,368	5, 296 3, 236 24, 542 4, 756	4,307 2,833 26,511 4,308	
	<u>'</u>						īs	ARKAI		1				<u>, </u>				
The state	1,923 1	57	1,038,293	770, 937	908, 014	798,156	697, 603	1,072,846	792, 048	939, 302	821, 233	713, 463	885, 979	703, 329	746, 802	676.259	642, 322	
Arkansas	12 22 29	3	6, 030 21, 903 2, 645	5, 207 16, 823 2, 236	6, 480 12, 199 3, 151	4,924 12,826	3,576 14,665 3,479	6, 201 22, 895 2, 622	5,379 17,627	6, 857 12, 411	5,078 13,077	3,592 15,633	4, 839 18, 286 2, 330	4, 846 16, 041 2, 037	4,804 11,005 2,424 730	4,167 12,543 2,544	3,323 13,537 3,334	
Baxter Boone Bradley	22	1 1 1	581 7, 468	5,718	956 4,481	3,641 882 3,879	679 3, 615	590 7, 450	2, 282 480 5, 833	3, 199 981 4, 712	3,673 913 3,998	3,507 729 3,537	458 7,116	413 5,557	4,035	632 3,743	611 3,529	
Calhoun	22 31 36 18	6	6, 834 22, 307 13, 607 12, 194	5,864 10,427 9,533 11,575	4,784 11,962 10,800 17,740	3,941 20,354 9,497	3,667 21,940 7,219 11,683	7, 214 22, 894 14, 042	5,862 10,152 9,562	4,774 11,744 10,750	3,906 20,391 9,417	3, 613 22, 875 7, 043	6, 408 16, 276 12, 617	5,711 6,836 9,236	4, 294 6, 637 10, 026	3,561 16,192 9,281 10,362	3,454 16,775 7,040 11,087	
Clay	18 26	3	4, 775 10, 865	3,604 9,093	4,027 7,089	12,877 4,274 5,885	2,828 5,951	12,548 5,022 10,961	11,936 3,706 8,978	20, 011 4, 145 7, 031	13,881 4,388 5,745	12, 241 2, 917 5, 695	11, 461 4, 577 10, 035	10,136 3,465 8,922	13,844 3,528 6,594	3,469 5,574	2,663 5,7 3 5	
Columbia Conway Craighead Crawford	53 38 16 25	2 4 3 2	23, 288 20, 320 14, 671 18, 892	20, 299 16, 434 9, 511 17, 210	18,547 13,971 16,315 19,147	12,384 14,809 13,657 17,689	15, 504 14, 827 9, 843 11, 243	23,940 21,178 15,204	20, 677 16, 625 9, 980	18, 963 14, 379 17, 025	12,270 15,495 13,899	15, 541 14, 788 10, 455	22,071 18,516 13,238	20,017 15,570 8,096	18,169 12,806 11,609 17,028	12,075 12,554 10,967 15,366	15,149 14,078 9,427 10,711	
Crittenden Cross	48 14		35, 535 7, 957	20,051 5,257	42,905 9,744	36,007 7,016	29,130 7,019	19,160 38,392 8,067	17,530 21,531 5,769	19,438 45,865 10,290	17,816 38,513 7,545	11,430 30,895 7,481	17, 219 28, 630 7, 028	16,319 14,761 4,171	31,956 6,844	28,422 6,039	24,240 6,658 3,684	
Dallas Desha Drew		8	5,344 16,047 18,006	4,664 11,148 14,345	4,614 12,473 12,736	4,781 14,114 12,232	3, 884 11, 921 12, 606	5, 401 16, 759 17, 938	4,669 11,422 14,339	4,606 12,578 12,853	4,766 14,176 12,132	3,766 12,176 12,530	4,980 10,753 14,606	4, 439 10, 085 13, 723	4,102 9,810 10,954	4,513 10,704 11,252	10,381 11,795	
Faulkner Franklin Fulton Garland	29	1 3 1 2	25, 306 12, 395 4, 063 2, 158	20, 685 12, 814 2, 786	18,029 16,126 4,904 3,022	19,539 14,336 4,075 1,959	14, 639 9, 132 3, 206 1, 311	26,500 12,360 4,126 2,200	21, 636 12, 783 2, 818 1, 699	18, 480 16, 265 5, 139	20, 641 14, 368 4, 185 1, 900	14,756 9,074 3,268	22,845 11,963 3,578	19,861 12,514 2,602 1,712	16,409 14,662 3,965 2,544	16,210 13,085 2,877 1,500	14,163 8,917 3,044 1,271	
Grant Greene	19	2 3	5, 796 9, 938	1,827 4,614 7,622	4,218 11,558	4,051 10,666	3, 112 7, 400	5, 722 9, 819	4, 553 7, 770	3,036 4,183 11,900	1.900 3,957 10,901	1,264 3,037 7,723	2,009 5,267 9,001	1,712 4,387 6,339	2,544 3,634 8,461	3,638 8,488	2,825 7,144	

7, 400 9, 866 4, 457 7, 314 10, 786

9, 819 20, 043 4, 542 10, 548 13, 104

7,770 15,759 4,198 10,049 9,872

11,900 17,358 4,283 10,740 9,751

10, 901 13, 028 5, 081 9, 508 13, 385

7, 723 9, 669 4, 284 7, 359 10, 870

9,001 19,108 4,301 10,030 12,015

6,339 15,456 4,145 9,612 9,353

8, 461 16, 763 4, 012 9, 796 8, 627

7,144 9,731 4,304 7,224 10,523

8, 488 12, 836 5, 067 9, 036 11, 053

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNERIES		•		тот	NUMBER OF BALES GINNED TO DEC. 13										
COUNTY.	Ac- tive. Idle	Numb	er of bale	s (countir bales)—	g round a	s half	Numb	er of equi	valent 500)-pound b	ales—				ALF BALE	
	1913	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
	ARKANSAS—Continued.															
Jzard. Jackson Jefferson Johnson Lofayette Lawrence Lice Lincoln Little River Logan Lonoke Marion Miller Mississippi Monroe Montgomery Nevada Newton Ouachita Perry Phillips Pike Poinsett Polk Pope Prairie Pulaski Randolph St. Francis Scitt. Seargy	42 6 6 1 33 1 1 2 2 3 3 2 3 1 1 2 2 3 3 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,447 32,927 60,047 11,483 13,775 17,794 27,329 22,084 14,616 20,122 41,172 2,128 12,583 47,180 16,170 3,922 13,043 535 9,304 6,190 21,461 9,209 24,230 8,485 26,336 7,436 8,983 1,795	4,064 20,949 38,837 11,079 11,096 11,281 17,245 17,245 11,3826 11,135 27,621 10,461 28,090 3,731 10,953 8,292 5,167 5,16	5, 102 28, 755 32, 755 112, 539 110, 634 113, 251 113, 8915 123, 396 25, 411 13, 8915 123, 396 25, 411 10, 592 54, 054 11, 7592 54, 054 11, 7592 54, 054 11, 7592 54, 054 11, 7592 54, 054 11, 7592 15, 865 16, 028 865 17, 028 865 18, 028 865 19, 028 865 11, 7592 12, 395 12, 395	4,547 27,191 30,292 16,165 6,882 16,165 21,885 25,810 21,885 25,810 21,885 25,810 21,885 25,810 21,885 25,810 21,885 26,680 41,235 4,845 8,787 4,845 2,632 7,632 3,666 10,251 13,222 9,174 9,174 9,178 9,186	4,815 23,228 35,352 4,271 14,887 20,400 12,880 5,278 5,278 5,278 5,278 3,977 34,702 13,858 26,893 2,065 3,977 34,702 19,980 4,605 2,008 10,495 2,008 10,495 17,763 20,008 10,495 17,763 20,008 10,495 17,763 20,008 10,495 10,763	5, 292 33, 427 60, 903 11, 357 14, 293 18, 153 21, 974 43, 683 21, 974 43, 683 13, 200 49, 765 13, 280 6, 277 43, 385 41, 130 6, 277 43, 385 41, 130 62, 27, 484 21, 568 8, 928 27, 484 7, 610 9, 660 1, 960 1, 960	4,116 21,024 33,152 11,057 11,422 11,606 10,759 28,046 1,569 10,729 29,697 11,177 8,242 5,265 20,341 7,486 5,361 15,581 15,581 15,581 15,581 15,581 15,581	5, 283 29, 537 33, 282 12, 715 10, 959 19, 483 14, 121 13, 840 124, 065 26, 132 24, 065 57, 740 7, 247 5, 960 33, 485 33, 483 36, 811 19, 192 8, 912 4, 716 12, 697 2, 477	4,712 27,811 30,880 16,954 19,347 13,322 26,233 26,342 2,629 45,768 45,768 45,704 4,704 8,822 4,704 8,822 4,704 8,822 6,613 6,614 19,374 19,374 19,268 9,268	4,797 23,539 35,539 35,538 4,312 14,822 22,371 13,042 5,302 21,189 2,123 3,048 37,082 2,812 7,489 6,542 4,385 20,357 1,918 4,009 11,916 16,641 68,288 7,720 21,130 5,749	5,092 26,652 40,489 10,252 12,528 15,063 13,430 19,116 31,373 1,090 38,526 3,833 12,717 3,833 12,717 3,833 12,717 5,722 5,722 5,722 5,722 1,717 5,618 1,618	3,867 19,228 33,925 10,496 10,835 9,950 14,672 14,519 13,221 13,218 11,560 1,255 9,949 23,184 10,952 23,184 10,952 25,250 20,973 3,077 3,859 19,134 4,680 12,580 12,580 12,580 12,580 13,285 14,785 14,785 14,785 14,785 14,680 12,580 12,580 12,580 12,580 12,580 12,580 12,580 13,280 14,785 14,785 14,785 14,785 14,680 12,580 12	4,442 21,528 26,231 10,454 10,073 14,329 510,797 12,581 20,111 1,843 41,105 5,361 6,734 5,160 6,734 5,160 6,103 6,103 8,422 12,300 8,422 12,300 8,422 4,441 11,105 12,005	3,677 21,508 24,556 11,932 6,773 11,855 13,601 10,601 9,495 20,168 20,952 1,751 6,273 31,340 9,505 4,565 6,402 5,658 6,402 5,658 16,127 4,73 16,127 4,73 16,127 4,75 16,127 4,548 16,127	4,735 22,545 22,545 22,536 8,539 4,089 14,849 17,270 10,399 4,936 31,516 24,288 31,749 30,030 11,945 4,080 17,365 1,932 4,385 1,932 4,385 1,932
Searcy Sebastian Sevier Sharp Stone Union Van Buren White Yoll Stole Yoll Search Stone White Search	21 18 3 23 19 4 53 2 17 44 1 19 1	14,800 7,541 4,908 1,176 15,431 5,225 22,171 25,347 24,051	11,880 7,498 3,454 827 11,430 5,027 16,207 17,601 20,694	19,049 7,607 4,642 1,342 6,238 5,271 16,346 19,730 23,225	13,719 5,962 4,331 1,161 5,780 4,821 15,818 15,701 21,293	7,748 4,143 3,787 1,300 7,687 3,272 11,511 20,224 17,265	14,957 7,886 4,819 1,181 15,258 5,449 22,579 27,006 24,710 FLOR	12,167 7,639 3,441 820 11,505 5,332 16,333 18,625 21,508	19,441 7,731 4,645 1,372 6,374 5,540 16,608 20,964 23,645	13,768 6,003 4,367 1,141 5,727 5,111 16,150 16,787 21,407	7,914 4,143 3,774 1,307 7,589 3,415 11,675 21,240 17,643	14,086 7,393 4,508 925 14,363 4,918 20,637 20,568 22,070	11,450 7,394 3,293 712 11,124 4,898 15,614 15,465 19,356	17, 095 7, 303 3, 979 1, 045 5, 371 4, 671 13, 314 14, 214 19, 290	13,031 5,813 3,573 777 5,245 3,928 13,501 12,552 18,621	7,557 4,101 3,681 1,275 6,801 3,125 11,140 19,026 16,609
The state	221 65	66,700	58, 833	94, 471	67, 172	61, 877	58, 695	52,760	83, 388	58, 949	54, 011	63, 082	52, 895	81, 952	60, 082	58, 558
Alachua. Baker. Bradford. Columbia. Bscambia Gadsden Hamilton Holmes. Jackson Jefferson Lefayetto. Leon. Madison Santa Rosa Suwanee Taylor Walton Washington All other	11 3 14 2 4 2 8 8 6 12 6 24 3 21 6 14 6 17 2 2 15 3 3 1 1	6,090 807 2,673 2,607 514 735 3,805 3,747 18,285 4,683 697 4,065 5,340 2,203 4,616 181 2,768 1,768 1,276 1,227	5, 203 4,71 1, 803 1, 1633 1, 182 1, 040 2, 524 3, 151 16, 233 8, 571 628 4, 019 5, 287 3, 037 4, 301 1, 727 1, 570 1, 1027	9, 839 1, 162 4, 85, 102 1, 917 2, 984 4, 196 4, 188 21, 385 6, 615 1, 045 6, 625 11, 021 4, 054 5, 678 363 2, 834 1, 545 1, 331	7, 027 1, 075 3, 251 2, 577 1, 574 1, 358 3, 515 2, 047 15, 522 4, 540 4, 540 814 5, 516 7, 858 2, 741 3, 767 967 604	5, 695 899 3, 302 2, 482 1, 122 586 1, 934 14, 768 4, 872 638 4, 475 7, 836 2, 039 4, 290 217 1, 358 1, 094 558	4, 197 603 1, 923 2, 018 7554 799 2, 596 3, 649 18, 079 4, 336 4, 347 2, 138 3, 434 141 2, 753 1, 664 1, 112	3, 658 351 1, 343 1, 226 1, 221 1, 022 1, 659 3, 167 3, 255 504 3, 325 3, 043 3, 043 3	7, 015 891 3, 562 2, 512 1, 796 2, 995 4, 209 21, 269 6, 527 836 6, 050 6, 050 3, 798 4, 353 1, 585 1, 147	5, 016 5, 016 879 2, 324 2, 096 1, 623 1, 349 2, 339 1, 987 15, 594 4, 002 638 5, 155 6, 815 2, 621 3, 117 278 1, 570 925 621	3, 949 4, 604 2, 402 1, 873 1, 085 5, 583 1, 830 15, 135 4, 575 5, 6, 345 1, 903 3, 306 162 1, 263 1, 26	5, 883 773 2, 596 2, 576 487 3, 350 3, 473 17, 842 4, 419 605 3, 860 4, 925 2, 164 4, 925 160 2, 577 1, 625 949	4,661 3,08 1,600 1,482 1,057 2,086 2,853 15,255 3,442 581 4,577 2,678 3,903 1,613 1,401 762	9,055 1,033 4,467 3,061 1,764 3,499 3,789 19,977 6,084 1,004 5,949 5,78 3,480 5,023 319 2,447 1,241 440	6, 301 6, 301 958 2, 922 2, 354 1, 517 3, 841 15, 941 14, 255 756 6, 870 2, 266 3, 302 204 1, 523 904 501	5, 288 8, 281 2, 304 901 3, 495 1, 523 14, 545 4, 745 608 4, 362 4, 1886 4, 18
						[8	GEOR See map or]							
The state	3,867 484	2,346,237	1,812,778	2,794,295	1,812,178	1,850,125	2,316,601	1,776,546	2,768,627	1,767,202	1,804,014	2,215,308	1,675,670	2,517,857	1,706,816	1,766,070
Appling Baker Baldwin Banks Bartow	19 3	7,916 7,966 11,643 12,114 24,235	5,668 6,989 11,289 9,129 18,943	9,178 10,393 16,322 15,294 27,413	5,373 6,470 10,843 11,309 18,833	5,596 7,995 10,798 10,303 15,048	7, 205 8, 063 11, 680 11, 683 26, 848	4,887 7,018 11,375 8,289 18,829	7,541 10,146 17,357 13,945 26,832	4, 436 6, 739 10, 730 10, 275 18, 852	4,297 7,920 10,768 9,279 14,982	7, 261 7, 706 11, 159 10, 833 23, 220	4,769 6,747 10,809 8,084 17,068	7,384 9,765 14,436 13,556 25,561	4,672 6,394 10,457 10,160 17,014	5, 381 7, 765 10, 456 9, 523 13, 891
Ben Hill Berrien Bibb. Bleckley ¹ Brooks. Bryan	23 2 22 3 24 3	10,373 18,291 10,690 12,985 14,535 3,385	8,117 13,283 9,357 8,907 10,325 2,472	12,555 20,291 17,161 15,877 4,679	7,351 12,652 11,076 9,843 2,973	6,834 14,259 9,819 12,704 2,343	9,995 16,067 10,818 13,915 14,141 3,067	7,398 11,232 9,434 9,260 9,859 2,343	11,686 18,046 17,765 15,878 4,290	6,823 10,807 11,162 9,192 2,655	6,372 12,520 9,870 12,254 2,136	9,611 17,163 9,789 12,669 14,135 3,237	7,640 11,723 8,679 8,729 9,565 2,293	11,000 17,626 15,962 14,542 4,149	7,173 11,625 10,580 9,346 2,731	6,664 13,691 9,202 12,168 2,015

¹ Bleckley County organized from part of Pulaski.

Table 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNERIES					TOT	AL QUAN	rity ginin	ED.				NUMBER OF BALES GINNED TO DEC. 13					
COUNTY.	Ac- tive. Idle		Numb	er of bale	s (countir bales)—	ng round a	s half	Numb	er of equi	valent 50	0-pound b	ales—	(COUNTING ROUND AS HALF BALES)—					
	191	13	3 1913 191		1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	
GEORGIA—Continued.														ı		ı		
Bulloch Burke Burts Calhoun Campbell	99 20 21	14 13 2 1 5	41,667 53,687 14,958 17,799 14,365	22,506 34,282 12,540 14,408 10,722	49,279 57,086 18,367 20,592 16,499	31,153 38,949 12,664 13,683 11,777	29, 337 40, 285 13, 610 13, 548 10, 499	38,996 55,560 15,485 17,443 14,552	20,597 34,844 13,049 14,373 10,681	37,979 59,781 18,881 20,522 16,753	28, 248 40, 406 13, 987 13, 456 11, 690	26,745 43,443 13,991 13,350 10,249	39,277 49,320 14,181 17,144 13,756	20, 617 32, 782 11, 574 13, 712 9, 244	33, 970 46, 984 16, 860 19, 888 14, 834	26, 598 35, 495 12, 134 13, 128 10, 846	27,447 58,758 13,216 13,425 9,845	
Carroll	47 7 30 20	2 1 3 2	39, 878 1, 766 6, 336 13, 664 12, 727	32,364 1,421 6,339 10,611 10,180	44, 421 2, 353 8, 987 14, 442 14, 864	32,781 993 6,006 9,092 9,588	28,375 867 5,326 8,132 9,439	37,844 1,660 6,401 12,811 11,050	30, 467 1, 320 6, 377 9, 841 8, 828	41,569 2,118 9,079 14,439 13,226	30, 218 873 5, 993 8, 492 8, 746	25, 855 698 5, 225 7, 524 8, 025	38, 464 1, 707 5, 987 13, 284 11, 979	27,895 1,286 5,792 9,777 8,927	41, 193 200 7, 976 13, 269 13, 561	30,590 308 5,601 7,745 8,617	25,560 403 5,132 7,754 8,705	
ClarkeClayClaytonClinchCobb	18	5 2 4 4 3	13, 291 13, 333 12, 459 1, 171 20, 180	10,995 10,049 10,049 1,051 16,733	15, 646 15, 963 16, 256 1, 607 25, 668	11,108 10,307 11,532 930 18,418	9,350 12,218 10,444 1,208 17,259	13,025 13,044 12,040 963 18,723	10,472 10,322 9,947 839 15,374	15, 224 16, 825 16, 132 1, 370 23, 250	10,648 10,598 11,384 785 16,554	8,843 12,734 10,262 989 15,678	11,952 13,136 11,527 889 19,171	10,378 9,861 9,032 701 14,377	14, 420 15, 161 14, 982 1, 223 23, 500	10, 291 10, 287 10, 297 718 16, 268	8,685 12,196 9,752 1,129 16,035	
CoffeeColquittColumbiaCowetaCrawford	27 19 33 38	6 2 9 5 3	19, 453 22, 405 16, 185 30, 500 6, 453	13, 409 17, 414 10, 479 28, 699 5, 891	20, 389 24, 978 20, 633 44, 985 10, 268	12,315 13,458 12,474 32,357 5,966	11,967 12,092 15,078 27,414 5,908	18, 185 22, 147 16, 891 30, 652 6, 503	12, 128 16, 796 10, 448 28, 182 5, 909	18, 128 24, 547 20, 910 45, 669 10, 621	10,879 12,887 12,721 32,622 6,017	10,476 11,350 15,654 26,915 5,908	18, 205 21, 953 15, 484 27, 857 5, 830	11,540 16,682 10,310 25,749 5,814	17, 160 23, 047 19, 217 41, 232 9, 414	11,014 12,962 12,225 30,551 5,830	11,127 11,862 14,297 25,551 5,054	
Crisp Dawson Decatur Dekalb Dodge	25 13 20 32	4 3 3 1	24, 283 2, 054 14, 854 12, 513 34, 503	22,093 1,645 11,660 9,563 22,617	26, 730 2, 757 18, 321 16, 463 37, 622	14,834 1,641 11,978 10,087 23,059	17,920 2,085 10,775 9,687 27,539	24, 196 1, 760 15, 023 12, 032 34, 758	21,885 1,380 11,444 6,467 22,816	26, 880 2, 272 18, 581 15, 910 38, 480	15,068 1,339 11,961 9,655 23,506	17,881 1,765 10,689 9,026 28,354	23,724 1,843 14,271 11,696 33,087	20,965 1,235 10,506 8,173 21,907	24, 164 2, 377 16, 311 15, 314 33, 777	14,391 1,301 11,120 8,822 22,589	17,362 1,316 10,457 9,072 26,559	
Dooly Dougherty Douglas Early Echols	32 24 19 16 3	7 4 4 1	39, 365 17, 362 10, 549 19, 386 89	29, 953 15, 536 8, 114 16, 316 224	46,509 22,587 11,734 21,778 530	27,066 13,050 8,302 14,717 417	33,532 15,073 7,693 14,152 516	40,373 17,782 9,988 19,882 73	30,163 16,080 7,483 16,779 168	47,569 23,396 10,861 23,215 437	27, 196 13, 118 7, 578 15, 353 342	34, 149 15, 154 6, 991 14, 925 405	37,958 16,465 10,159 18,949 89	28,097 14,576 6,970 15,440 208	40, 528 20, 386 10, 872 20, 497 489	26, 416 12, 347 7, 471 14, 385 375	32,744 14,739 6,820 13,869 498	
Effingham Elbert. Emanuel Fayetto Floyd	39 37 18	4 6 3 5 4	4,321 22,615 41,208 13,669 21,913	3,291 16,047 22,934 12,104 17,415	4,930 27,797 39,699 19,718 23,942	3,566 18,417 27,729 13,476 16,018	3,251 18,100 24,509 13,037 13,242	4,197 21,353 41,394 13,491 20,905	3, 192 14, 834 23, 031 12, 211 17, 154	4,791 25,800 40,789 20,022 22,874	3, 420 16, 850 27, 240 13, 511 15, 249	3,165 17,010 24,411 13,123 12,090	3,984 21,431 38,121 12,484 21,050	2,751 14,733 21,590 11,258 15,658	4,147 25,887 33,038 17,888 21,668	3,143 18,015 25,079 12,805 14,624	2,692 17,391 23,753 12,585 12,113	
Forsyth. Franklin. Fulton. Glascock. Gordon.	10	5 6 	10,719 25,253 2,544 3,874 15,144	9,528 20,726 1,768 3,156 13,819	14,827 30,563 3,518 5,253 15,456	10,186 22,276 2,612 2,744 10,637	10,520 19,431 2,332 4,421 9,447	9,482 23,859 2,448 3,989 14,644	8,246 19,831 1,680 3,508 13,474	13,030 29,029 3,246 5,537 14,785	8,776 21,046 2,500 2,876 10,294	8,803 18,145 2,197 4,562 9,345	9,769 22,797 2,303 3,645 14,732	7,307 18,810 1,506 2,770 12,436	13, 468 28, 157 2, 417 4, 713 14, 424	8,345 21,330 2,303 2,497 9,078	9,560 18,442 2,138 4,230 8,893	
Grady Greene Gwinnett Habersham Hall.	73 12	4 5 7 1 7	6, 123 18, 158 29, 878 1, 841 17, 282	5,822 14,528 21,658 1,438 14,395	9,039 25,379 34,463 2,074 23,207	6,002 14,204 21,763 1,206 15,233	5,607 16,123 22,472 847 14,605	5,840 18,252 28,265 1,610 14,914	5, 477 14, 697 19, 934 1, 294 12, 581	8,713 25,709 32,444 1,832 20,134	5,603 14,295 19,639 1,054 13,082	4,810 16,304 20,562 774 12,493	5,705 17,350 27,925 1,711 15,110	5,216 13,782 19,066 1,258 11,295	8,031 23,015 32,170 1,606 20,359	5,542 13,862 19,467 1,019 12,902	5,431 15,337 21,041 793 13,191	
Hancock. Haralson Harris. Hart. Heard	21 37 38	6 5 6	18, 259 12, 534 24, 566 22, 224 13, 816	15,766 10,176 22,800 15,223 12,525	25,636 15,302 30,915 25,648 21,900	14,663 10,040 22,099 18,211 14,760	16,698 8,138 19,837 15,606 13,708	18,274 11,594 24,689 21,499 13,493	15, 832 9, 319 22, 812 14, 611 12, 272	25, 933 13, 845 31, 416 24, 622 21, 589	14,678 8,980 22,962 17,268 14,285	16,908 7,150 19,694 14,751 13,280	17,997 12,132 23,018 20,885 13,310	15,499 8,870 21,710 14,138 11,709	23, 230 14, 313 20, 239 24, 415 20, 645	14,453 9,320 22,440 17,619 14,335	16,432 7,463 19,106 15,210 12,634	
Henry Houston Trwin Jackson Jasper	65 14 79	1 7 2 3 2	28,657 22,554 10,519 44,550 26,224	21,926 15,841 13,794 34,070 22,108	34,660 31,795 22,990 53,335 31,460	25, 113 17, 137 13, 099 37, 752 20, 997	25,744 25,778 12,605 32,847 24,610	29,259 22,852 18,625 41,913 26,943	22, 268 16, 218 12, 726 31, 971 22, 997	34,542 32,425 21,723 49,719 32,794	24, 581 17, 367 12, 191 35, 038 22, 895	25, 404 26, 309 11, 501 30, 357 25, 117	26,048 21,322 18,506 40,098 24,253	20,057 15,339 13,233 30,686 20,905	32, 820 29, 304 20, 010 48, 365 28, 912	23,604 16,713 12,568 34,932 20,428	24,145 25,015 11,986 30,623 23,007	
Jeff Davis Jefferson Jenkins Johnson Jones	. 47	6 5 5 6	4,284 28,311 21,152 19,810 13,806	3,288 20,546 12,171 14,579 13,631	5,277 33,454 23,085 21,755 21,263	2,797 21,575 16,643 14,406 14,104	2,205 27,109 13,251 11,676 14,142	4,182 29,545 21,152 20,048 14,041	3, 150 20, 751 12, 529 14, 535 14, 318	5,098 34,063 23,768 22,060 22,279	2,613 21,886 16,903 14,406 14,640	2,082 27,657 13,002 11,685 14,606	4,174 26,933 19,960 19,112 12,882	3,079 19,924 11,862 13,634 12,894	4, 404 30, 290 19, 653 19, 030 19, 597	2,712 20,819 14,922 13,910 13,803	2,036 26,450 12,621 11,118 13,390	
Laurens Lee Liberty Lincoln Lowndes.	51 37 10 23 24	7 3 1 1 4	53,740 17,421 1,520 10,002 12,084	37,921 12,376 1,265 8,470 6,908	60,920 21,508 3,145 11,785 12,723	38,400 11,972 1,679 7,736 8,659	38,852 16,378 1,430 9,570 9,704	54,245 17,351 1,414 10,448 10,112	36,563 12,361 1,002 8,741 5,449	61,797 21,753 3,058 12,077 10,570	38,392 11,579 1,382 7,864 7,201	39,031 15,572 1,216 9,675 7,831	50,340 16,611 1,368 9,411 11,150	36,077 11,587 1,008 7,442 5,966	52,389 19,814 2,408 9,925 10,970	37,233 11,887 1,441 7,417 7,585	38,184 15,949 1,296 8,911 9,199	
Lumpkin	5 21 37 44 34	1 1 1 2	744 10,074 17,915 26,166 10,175	615 7,404 14,002 20,203 8,692	960 13,892 20,446 30,852 11,031	550 8, 138 11, 873 20, 798 7, 129	631 10,946 17,112 17,469 7,831	641 10,400 17,976 24,345 10,147	503 7, 582 14, 128 18, 890 8, 621	796 14,720 20,638 29,248 11,113	442 8, 193 11, 707 19, 355 7, 052	509 11,456 16,794 15,974 7,720	638 9,617 17,358 24,767 9,596	527 7,098 13,502 18,668 8,088	740 12,690 19,097 28,708 9,909	7;709 11,499 19,516 6,970	10,509 16,726 16,727 7,782	
Meriwether Miller Milton Mitchell Monroe	34 5 22 25 43	3 1 1 2 2	32,970 6,292 8,013 32,734 24,506	31,056 5,178 7,065 24,798 21,590	43,852 4,999 10,766 37,040 31,332	33, 186 3, 505 7, 958 21, 664 22, 931	26,308 2,728 7,715 22,329 21,763	33,049 6,316 7,223 31,765 24,374	30, 845 5, 392 6, 031 24, 946 21, 758	43, 843 5, 068 9, 388 37, 702 31, 827	32, 449 3, 660 6, 836 21, 325 23, 032	25,845 2 70 6 1 22, 21,867	$\begin{array}{c} 31,215 \\ 6,020 \\ 7,648 \\ 31,814 \\ 22,677 \end{array}$	29, 252 4, 497 6, 355 23, 475 20, 253	41, 455 4, 626 9, 908 34, 288 29, 160	32, 299 3, 195 7, 321 20, 651 22, 249	25,007 2,700 7,475 21,656 20,935	

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNE	RIES				TOT	MAUQ JAN	TITY GINN	ED.						TEG COST	THD #0 *-	ng 10
COUNTY.	Ac- tive.	Idle	Numl	per of bale	es (counting bales)—	ng round	as half	Numl	ber of equ	ivalent 50	0-pound l	oales—	(COU	ER OF BA	LES GINN	EU TO DE	ic. 13 is)—
	191	ts	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	1918	1912	1911	1910	1909
							GEO	RGIA-	-Continu	ed.	`						
Montgomery 1 Morgan Murray Muscogee Newton	17 33 8 18 26	1 7 3 4 1	16, 082 27, 505 3, 475 7, 940 24, 230	11, 187 23, 238 3, 280 7, 591 19, 741	27, 447 37, 974 3, 500 8, 857 30, 983	17, 187 23, 259 1, 710 6, 916 19, 793	16,881 25,689 2,863 5,907 20,026	16, 208 27, 400 3, 042 7, 883 23, 847	11, 185 23, 698 2, 715 7, 495 20, 203	28, 402 37, 989 3, 008 8, 682 31, 547	17,204 23,087 1,564 6,717 20,074	16,911 25,782 2,593 5,752 20,134	15, 141 25, 328 3, 431 7, 504 22, 995	10, 409 21, 502 3, 029 7, 205 18, 230	24,501 34,016 3,177 8,422 28,296	16, 679 21, 843 1, 554 6, 745 18, 393	16,245 23,957 2,811 5,798 18,611
Oconee. Oglethorpe. Paulding. Pickens Pierce.	1	1 5 3 2 3	17,744 26,439 11,926 3,183 4,931	12,845 21,080 9,505 2,768 3,183	20,367 31,713 13,244 3,799 7,340	13,917 18,723 9,573 2,338 3,538	13,400 19,918 9,252 2,169 4,440	17, 563 26, 275 10, 900 2, 964 3, 885	12,997 20,650 8,497 2,459 2,432	20, 579 31, 383 11, 528 3, 248 5, 718	13,825 18,206 8,212 1,974 2,731	13,317 19,221 8,282 1,851 3,292	16, 880 24, 069 11, 530 2, 957 4, 500	12,505 19,474 8,165 2,486 2,317	18,712 27,957 12,523 3,441 6,033	13, 387 17, 483 8, 740 1, 953 2, 810	12,776 18,675 8,570 2,075 3,966
Pike Polk Pulaski ² Putnam Quitman	27 30 16 38 16	2 2 5 2 2	23,204 17,718 16,895 14,419 5,347	20,783 13,400 12,040 11,929 5,105	28, 923 19, 875 35, 924 20, 077 6, 753	21,282 13,341 21,190 11,779 4,684	19,419 10,212 27,840 13,911 5,453	23, 348 17, 176 17, 953 14, 407 5, 363	21,037 12,869 12,529 12,528 5,095	29, 357 18, 961 37, 454 20, 611 6, 730	21,290 12,366 21,610 11,937 4,643	19,372 9,428 29,037 13,903 5,345	21,873 17,172 16,341 13,541 5,136	19,925 11,967 11,515 11,111 4,716	26,872 18,209 32,242 17,464 6,255	20, 714 12, 322 20, 867 11, 512 4, 567	18, 90 5 9, 56 0 27, 32 0 13, 305 5, 35 7
Randolph Richmond Rockdale Schley Screven	29 19	7 3 5 12	28, 153 10, 765 10, 530 6, 928 34, 351	24,084 7,573 7,375 6,906 21,498	31,799 13,473 11,595 9,064 34,049	19,358 7,115 6,819 5,997 24,703	24,357 8,729 7,151 6,594 23,698	27, 967 10, 806 10, 545 6, 961 34, 615	23,756 7,567 7,301 6,988 21,528	31,799 13,648 11,593 9,186 34,147	19,052 7,025 6,571 6,026 23,898	.22, 944 8, 883 6, 861 6, 593 23, 058	27,745 10,136 9,922 6,707 31,217	22, 685 6, 519 6, 506 6, 508 19, 971	30, 173 11, 865 10, 753 8, 211 28, 674	18,736 6,641 6,008 5,898 22,139	23,873 8,317 6,578 6,543 22,583
Spalding Stephens Stewart Sumter Talbot	27 19 27 84 27	2 1 5 10 2	18,526 7,267 16,178 39,005 11,443	17,386 5,558 15,295 34,453 11,070	24,812 8,276 20,955 48,207 14,247	16, 339 5, 480 13, 125 26, 827 10, 615	14,363 5,124 13,606 34,500 10,130	18, 515 6, 830 16, 417 39, 867 11, 608	17, 689 5, 027 15, 705 35, 495 11, 331	24,812 7,485 21,416 49,464 14,486	16, 430 4, 966 13, 172 27, 104 10, 687	14,420 4,618 13,723 34,201 9,984	16, 224 6, 546 15, 184 36, 906 10, 752	15, 672 4, 795 13, 420 31, 652 10, 561	21,972 7,564 19,105 42,790 13,352	15, 275 4, 934 12, 404 25, 754 10, 467	13, 588 4, 761 13, 377 33, 520 9, 925
Taliaferro Tattnall Taylor Telfair Terrell	16 35 33 25 31	4 11 5 4 4	10.013 21,340 12,493 16,350 38,614	7,577 10,386 10,784 12,311 33,360	12, 981 21, 338 14, 938 18, 340 44, 970	7,512 14,366 10,012 12,429 27,290	8,876 13,432 9,517 12,733 34,749	10, 063 18, 546 12, 048 16, 657 38, 189	7,719 9,128 11,010 12,181 32,419	13, 438 18, 862 15, 243 18, 186 43, 756	7,529 12,617 10,062 12,305 26,777	8,887 11,777 9,641 12,425 34,172	9,782 19,737 11,968 15,151 37,598	7,292 8,580 9,712 11,252 31,990	11, 451 17, 082 13, 479 15, 809 43, 512	7,386 12,128 9,641 11,758 27,023	8,504 12,306 9,175 12,092 34,502
ThomasTiftToombsTroupTurner.	20 15 15 26 17	8 2 3 1	22,634 16,412 13,542 25,052 22,151	16, 921 9, 885 7, 702 21, 084 16, 373	25, 233 14, 970 14, 167 33, 654 22, 411	16,292 8,194 10,330 24,946 12,858	17,838 9,895 10,480 20,565 11,956	23, 696 16, 195 13, 398 24, 942 22, 337	16,056 9,582 7,112 23,650 16,514	25, 081 14, 808 14, 238 34, 603 22, 752	15, 140 7, 940 9, 821 25, 315 12, 871	17,427 9,610 10,011 19,693 12,049	21,745 15,828 12,293 23,776 21,608	15, 880 9, 166 6, 863 22, 831 15, 966	23, 922 13, 669 12, 160 31, 298 20, 778	15, 781 7, 867 9, 396 24, 298 12, 471	17, 565 9, 640 10, 131 19, 345 11, 649
Twiggs. Upson. Walker. Walton. Ware.	39 23 15 47 5	8 2 1 	12,592 15,407 7,885 45,801 1,602	9,087 13,375 6,191 32,200 1,012	17, 208 18, 653 8, 752 50, 662 1, 497	10,619 13,237 4,351 32,113 1,002	11,020 12,205 4,334 30,866 1,079	12,809 15,413 7,513 44,345 1,333	8,624 13,420 5,885 31,942 822	17,893 18,985 8,395 50,368 1,269	10,655 13,150 4,022 31,862 820	10,705 12,037 4,124 30,304 877	11,978 14,460 7,799 43,105 1,490	8,726 12,616 5,789 30,516 869	14,646 17,479 8,047 46,539 1,272	10, 387 12, 844 3, 846 30, 465 835	10,624 11,714 4,121 29,047 1,005
Warren. Washington. Wayne. Webster.		1 7 3 5	12,422 28,832 5,031 5,422	8,400 22,957 2,442 4,380	16, 351 37, 086 5, 693 7, 161	8,869 24,171 3,115 4,462	11,649 28,522 3,666 4,545	12,844 29,674 4,270 5,350	8,457 23.255 1,861 4,405	17,048 38,443 4,546 7,387	9,100 24,393 2,376 4,474	12,327 28,944 2,732 4,533	11, 918 27, 586 4, 767 5, 157 7, 737	8,147 21,753 1,837 4,148	13,725 32,256 4,438 6,159	8, 623 23, 264 2, 415 4, 258	11, 420 27, 673 3, 129 4, 390
Wheeler1	8 4 16 21	1 3 2	8,072 664 6,242 26,776	5,817 686 5,012 18,361	1, 112 6, 932 25, 974	250 4,169 16,743	383 4, 465 17, 192	8, 162 581 5, 714 27, 178	5,816 617 4,581 19,073	982 6, 280 26, 379	219 3,648 16,599	350 3,894 17,446	629 6,160 25,745	5,331 578 4,624 16,439	833 6,375 22,819	203 3,358 16,586	327 4,249 16,317
Wilkes	47 37 23 12	10 3 5	26, 936 8, 764 28, 805 1, 577	22,634 6,684 17,367 869	34, 990 10, 179 31, 469 2, 253	20,715 5,977 17,905 675	27,111 7,498 19,869 359	27,771 8,568 28,425 1,459	23, 263 6, 516 17, 426 770	36,299 10,370 31,431 1,943	20, 926 5, 857 18, 115 592	27,626 7,356 19,285 321	25, 363 8, 274 27, 921 893	21,288 6,274 16,587 578	30,470 9,094 28,705 1,172	19,833 5,774 17,242 423	26,014 7,18 7 19,16 1 108
								LOUIS See map o		J							
The state	1, 198	327	436, 865	374, 793	380, 826	246, 788	258, 459	443, 821	376,096	384, 597	245, 648	253, 412	391, 454	361, 123	340, 304	233, 347	248, 643
Acadia	10 4 3 37	7 5	8,668 289 882 15,109	7, 197 299 161 12, 037	7, 146 287 19, 515	3,889 542 9,634	3,958 4,015 8,164	8,722 259 852 15,816	7, 184 272 156 12, 514	7,009 290 20,510	3,747 483 9,547	3,726 3,936 8,112	8,400 263 449 14,737 472	7,121 85 114 11,927	6,240 111 19,326	3,815 517 9,548	3,936 3,950 8,091
Bienville. Bossier. Caddo. Caldwell. Cameron.	4 44 50 64 24 6	2 6 4 2 3	653 18,357 26,682 44,026 3,241 1,559	586 15,370 21,311 39,479 2,396 1,768	13, 232 21, 518 35, 404 4, 209 1, 377	7,869 13,020 20,774 1,873 1,117	6,953 10,211 17,635 825 1,976	625 18,588 27,632 45,279 3,053 1,670	576 14,961 21,822 40,668 2,320 1,755	13, 274 21, 898 35, 981 4, 011 1, 415	7,833 13,429 21,037 1,700 1,148	6,696 9,753 18,229 772 1,968	17,457 22,748 35,777 2,828 1,162	430 14,685 20,900 37,569 2,201 1,394	12,450 20,025 31,718 3,219 335	7, 615 12, 443 19, 814 1, 716 856	6,660 9,670 16,028 70 7 1,788
Catahoula	25 61 29 39	6 3 5 1	5,471 26,774 3,875 27,188	4,041 22,687 2,253 25,300	8,609 20,510 10,201 21,159	3,608 14,552 4,771 15,667	1,630 11,700 4,438 14,441	5,531 27,127 3,770 27,694	4,052 22,846 2,341 25,528	8,785 20,600 10,366 21,764	3,600 14,386 4,684 16,037	1,648 11,524 4,581 14,190	5,115 25,308 3,124 25,714	3,719 22,463 1,875 24,864	7,528 19,877 8,974 20,555	3,484 14,326 4,033 15,081	1,298 11,493 4,203 14,297
Rouge East Carroll	9 22	17	3,153 10,273	1,775 5,832	1,195 9,033	944 7,153	7,505 7,662	3,066 11,191	1,621 6,309	1,140 9,633	846 7,771	6,810 8,165	3,063 8,067	1,742 5,493	1,156 7,643	876 6,752	7,491 7,056

^{9, 033} 3, 214 10, 186 13, 021 2, 397 Wheeler County organized from part of Montgomery.
 Bleckley County organized from part of Puluski.

5,832 3,932 11,019 9,949 3,232

7,153 2,032

7,653 1,477

7,662 5,609

3, 281 1, 820

10,273 3,851 10,067 12,206

3,861

 $\begin{bmatrix} 14 & 6 \\ 13 & 4 \\ 23 & 8 \end{bmatrix}$

East Carroll
East Feliciana
Evangeline
Franklin
Grant

8, 165 5, 232

8,067 3,829 9,810 10,747 3,761

7,643 3,167 9,156

11,143 2,136

5, 493 3, 929 10, 815 9, 886 3, 163

7,05**6** 5,60**7**

3,210 1,79**7**

6,752 1,994

7,410 1,396

7,771 1,977

7,876 1,451

6,309 3,872 10,120 10,313 3,132

9,633 3,123 10,017 13,227 2,385

11, 191 3, 742 9, 829 12, 411 3, 760

^{3, 230} 1, 798 Allen and Beauregard Parishes organized from part of Calcasieu.
 Evangeline Parish organized from part of St. Landry.

Table 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNER	ÆS				TOT	AL QUAN	CITY GINN	3D.								
COUNTY.	Ac- tive.	dle	Numb	Number of bales (counting round as half bales)— Number of equivalent 500-pound bales— 913 1912 1911 1910 1909 1913 1912 1911 1910 1909										ER OF BA			
	1918	3	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
		''					LOU	ISIANA	.—Contin	ued.							
JacksonLa SalleLafayetteLincolnMadison	39	2 2 2 3 9	5, 275 621 10, 902 9, 390 6, 372	5,265 642 6,986 8,003 4,385	4, 198 744 7, 746 6, 591 11, 191	2,170 229 6,562 4,341 8,739	1, 443 21 6, 075 3, 400 8, 876	5, 226 599 11, 035 9, 540 6, 612	5, 346 644 6, 891 8, 241 4, 641	4,126 759 7,676 6,383 11,751	2,037 228 6,420 4,306 9,115	1,360 21 5,898 3,321 9,316	4,873 540 10,626 8,927 4,677	5,097 583 6,960 7,796 4,118	3,871 583 7,167 6,022 7,953	2,016 174 6,553 4,182 7,158	1,333 6,002 3,253 7,756
Morehouse Natchitoches Ouachita Pointe Coupce Rapides	75 42 26	6 5 8 36 9	17,608 25,702 9,857 2,793 10,283	18,838 23,284 10,470 878 11,251	14, 163 20, 285 9, 165 2, 650 9, 570	10,540 13,425 6,121 1,158 4,594	12, 186 12, 444 5, 168 3, 377 4, 685	17,841 26,184 9,973 2,808 10,376	18,992 21,750 10,286 901 11,732	13,908 20,741 8,813 2,690 9,509	10,205 13,133 5,842 1,129 4,450	11,862 12,190 5,141 3,114 4,506	14,480 24,041 8,650 2,058 10,148	17,615 21,911 10,266 804 11,216	11,256 17,689 7,855 2,392 9,275	10,056 11,542 5,903 1,134 4,399	11,838 12,211 4,941 3,348 4,650
Red RiverRichlandSabineSt. HelenaSt. Landry 1	28	8 2 2 10 13	15, 986 16, 839 9, 676 875 15, 574	13,587 16,505 7,637 757 14,226	11, 440 16, 004 6, 353 789 16, 133	5,832 10,794 5,203 888 15,373	4,701 8,076 5,905 3,624 17,002	16,459 17,135 9,864 828 14,951	13, 541 16, 680 7, 582 683 13, 950	11,829 16,308 6,287 767 15,757	5,916 10,902 5,144 838 14,391	4,639 7,965 5,697 3,365 15,968	14,020 15,330 8,986 834 15,154	13,070 16,294 7,176 747 14,084	10,462 14,092 5,724 653 15,004	5,577 10,478 4,868 882 15,108	4,672 7,834 5,723 3,590 16,792
St. Martin Tangipahoa Tensas Union	8 57	9 4 30 3	990 1,073 8,305 11,264	397 642 8,399 8,295	1,306 355 16,212 4,148	1,479 514 10,911 3,751	2, 027 3, 388 10, 882 5, 296	982 1,054 8,484 11,456	404 624 8, 694 8, 380	1,376 379 16,392 4,185	1,430 478 11,010 3,686	2,112 3,206 11,177 5,153	546 640 6,678 10,379	366 503 7,839 8,062	1,290 310 14,937 3,425	1,457 505 10,237 3,458	2,025 3,353 10,659 5,014
Vermilion. Vernon. Washington. Webster.	17	4 4 5 2	1,778 1,467 2,005 13,432	1,220 1,078 1,711 10,586	1, 183 1, 147 1, 440 9, 409	1,549 947 3,080 7,075	2,781 857 8,975 5,430	1,852 1,434 1,875 14,055	1,225 1,042 1,581 10,823	1,251 1,067 1,345 9,661	1,728 820 2,926 7,165	2,856 800 8,300 5,404	1,654 614 1,960 11,799	1,150 556 1,673 10,315	803 457 1,417 8,664	1,530 416 2,936 6,822	2,763 498 8,530 5,143
West Carroll West Feliciana Winn All other	6 5 23 20	19 2 49	6, 194 717 3, 645 2, 057	5,066 856 2,553 652	2,787 744 2,065 789	2,469 431 1,118 920	3,006 1,371 754 4,886	6,330 661 3,593 1,997	5, 260 831 2, 393 617	2,785 717 1,961 746	2,502 405 1,031 859	3,126 1,235 698 4,612	5, 961 706 3, 170 1, 172	4,961 848 2,386 262	1,997 715 1,190 342	2,234 387 833 776	2,787 1,336 656 4,65 1

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[See map on page 76.]

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The state	2,409	514	1,251,841	1,004,376	1,169,066	1,212,104	1,073,105	1,310,743	1,046,418	1,203,545	1,262,680	1,083,215	1,084,680	883, 458	996, 601	1,066,216	956, 509
AdamsAlcornAmiteAttalaBenton	11	19	1, 106	1,246	2, 204	1,062	1,700	1,023	1,250	2, 161	1,084	1,592	952	1,049	2,141	1,020	1,592
	35	1	10, 170	7,719	10, 553	7,978	5,030	10,406	7,971	10, 935	8,090	5,101	9,825	6,303	8,879	7,380	4,722
	24	21	2, 586	2,736	1, 398	3,533	14,063	2,564	2,747	1, 287	3,363	13,245	2,446	2,671	1,281	3,435	13,612
	47	4	10, 710	12,717	21, 431	21,122	13,696	10,575	12,623	21, 140	21,097	13,085	10,200	11,958	18,438	19,426	12,252
	35	3	8, 535	6,141	8, 253	6,975	4,447	8,871	6,199	8, 514	7,067	4,400	8,273	5,065	6,602	6,389	4,184
Bolivar	84	10	112,755	77,558	54, 792	71,175	56, 131	128,200	84,810	60,354	79,531	61,290	84, 937	62,641	45, 128	57,082	47,769
Calhoun	34	6	13,026	10,750	14, 665	9,249	8, 671	13,075	11,012	14,630	9,301	8,435	12, 455	8,797	11, 203	7,480	7,644
Carroll	33	11	16,154	16,080	19, 705	19,255	14, 263	16,393	16,315	19,768	19,444	14,003	15, 285	14,830	16, 147	17,059	12,542
Chickasaw	26	3	20,492	15,579	20, 708	14,296	13, 825	21,545	16,339	21,955	14,902	13,684	19, 963	14,591	19, 199	13,673	13,400
Choctaw	27	3	5,792	7,172	9, 345	7,542	5, 160	5,646	7,271	9,310	7,623	5,055	5, 647	6,540	8, 216	6,770	4,355
Claiborne	15	13	4,186	3,760	4,341	4,931	8,970	3,820	3,276	3,795	4,289	7, 664	4,117	3,743	4,125	4,899	8,893
Clarke	19	13	1,654	4,883	12,965	10,122	8,674	1,730	4,973	13,486	10,632	8, 846	1,561	4,428	11,245	9,217	7,848
Clay	22	4	14,695	10,556	14,014	14,455	9,520	15,538	11,016	14,493	15,473	9, 714	14,505	10,064	13,300	12,913	9,231
Coahoma	78	9	80,105	63,865	43,127	51,015	49,811	82,236	65,525	45,421	56,698	53, 407	56,655	50,632	31,707	37,831	41,140
Copiah	26	13	2,540	2,545	5,853	14,265	19,448	2,522	2,407	5,566	14,048	18, 705	2,406	2,450	5,521	13,929	18,893
Covington De Soto Forrest Franklin Grenada	18	4	2,166	2,755	5. 218	8,924	7,890	1,978	2,592	4,883	8,628	7,407	1,900	2,617	4,687	8,301	7,113
	33	2	28,889	21,100	29, 938	18,388	22,740	29,935	22,687	31,788	19,443	23,536	25,268	17,733	25,116	15,209	19,017
	4	3	979	852	2, 382	3,361	2,803	975	849	2,364	3,348	2,737	958	798	2,161	3,200	2,534
	8	20	600	608	690	1,314	5,451	595	587	654	1,183	5,085	570	557	614	1,250	5,421
	25	4	13,706	12,213	15, 573	9,901	8,988	13,506	12,511	15,838	9,917	9,306	13,042	10,831	11,758	8,947	7,933
HindsHolmesIssaquenaItawambaJasper	37	8	18,641	17,798	21, 585	30,797	31,035	18,518	17,503	21,356	31,265	29,707	18, 323	17, 682	21,255	30,202	29,076
	60	15	35,789	30,274	34, 819	42,406	29,836	37,132	31,718	36,197	45,075	29,381	32, 406	27, 682	31,381	38,134	26,020
	24	4	5,858	8,853	9, 404	13,332	11,925	6,164	9,421	9,933	14,111	12,412	3, 991	7, 194	7,803	9,210	9,009
	36	4	11,014	8,330	11, 197	7,528	7,063	11,525	8,711	11,696	7,805	7,124	10, 817	6, 720	9,915	7,048	6,799
	25	9	2,640	4,628	12, 530	13,887	11,259	2,525	4,298	12,452	13,781	11,007	2, 490	4, 483	11,482	13,040	10,381
Jefferson	19	10	2, 986	3,400	4, 565	3,593	8,041	2,867	3,086	4,152	3,155	7,370	2,761	3, 266	3,970	3,404	7,944
Jefferson Davis.	18	2	3, 561	3,698	6, 272	11,621	12,124	3,304	3,514	6,030	11,440	11,714	3,445	3, 586	6,121	11,160	11,286
Jones	14	4	3, 540	5,103	10, 842	12,163	10,229	3,291	4,805	10,192	11,679	9,836	3,319	4, 741	9,536	11,299	9,313
Kemper	66	3	12, 547	17,823	21, 224	18,772	12,843	13,004	18,482	22,056	19,587	12,792	12,086	15, 770	18,318	17,379	11,328
Lafayette	59	8	14, 537	12,423	15, 811	11,834	12,449	14,063	12,329	15,779	11,905	12,332	13,929	10, 189	12,230	9,747	11,176
Lamar	7	9	359	231	1,373	2,693	2,470	326	215	1,357	2,553	2,348	286	207	912	2,401	2,281
Lauderdale	46	4	7, 035	16, 145	24,044	19,257	14,848	7,267	16, 513	24,818	19,715	14,643	6,304	14,823	20,887	17,079	12,662
Lawrence	13	5	3, 179	2, 162	2,495	6,383	9,991	3,032	2, 035	2,401	6,225	10,026	3,062	2,042	2,272	6,164	9,283
Leake	45	3	5, 835	7, 653	13,577	14,220	8,523	5,611	7, 411	13,493	14,095	7,920	5,422	7,245	12,206	13,103	7,462
Lee	26	2	29, 426	20, 297	22,561	19,869	16,594	31,115	21, 373	23,734	21,300	17,473	28,834	18,081	21,348	18,928	15,989
LefloreLincolnLowndesMadison	79 13 53 32	3 7 5 8	24,069	50,884 2,791 17,754 18,214	43, 693 2, 157 20, 946 25, 027	45,592 6,552 21,426 30,626	38, 061 14, 712 13, 881 20, 780	73,852 4,289 24,030 16,377	53, 194 2, 745 18, 088 18, 331	45, 135 2, 088 21, 197 25, 157	48, 893 6, 231 21, 263 31, 814	39, 210 14, 503 13, 231 20, 630	56, 849 4, 129 23, 565 16, 108	46,131 2,704 16,699 18,024	33, 784 1, 960 19, 199 24, 741	37,764 6,377 20,708 29,534	34, 655 14, 281 12, 947 19, 459

¹ Evangeline Parish organized from part of St. Landry.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNE	RIES				ro	TAL QUAN	TITY GINN	ED.				·				
COUNTY	Ac- tive.	Idle	Numl	per of bale	es (counti bales)—	ng round	as half	Num	per of equ	ivalent 50	00-pound	bales—			LLES GINN OUND AS I		
	191	18	1913	1912	1911	1910	1909	1918	1912	1911	1910	1909	1913	1912	1911	1910	1909
							MISS	ISSIPI	PICont	inued.							
Marion Marshall Monroe Montgomery Neshoba	13 54 46 28 41	5 6 5	913 22,912 30,829 11,070 6,165	1,131 19,725 19,361 11,119 11,140	2,380 23,624 26,856 16,579 18,318	5,884 21,123 22,505 17,087 16,119	7,816 14,967 18,044 11,338 10,176	863 23,256 32,981 10,984 5,979	1,081 20,226 21,282 11,568 10,870	2,261 24,323 29,090 16,791 17,882	5,671 22,052 25,165 17,395 15,964	7,488 15,039 19,188 11,184 9,647	848 21,864 30,205 10,727 5,533	1,047 17,084 17,778 10,158 10,034	2,196 19,635 23,836 13,892 14,235	5,523 18,423 21,228 14,912 14,080	7, 165 13, 944 17, 525 10, 061 8, 423
Newton	27 43 25 50 5	24 3 2 11 1	2,526 24,503 13,312 35,360 697	6,948 18,218 9,918 29,019 466	19,462 21,688 12,221 33,102 1,524	17,698 27,489 12,927 20,799 1,439	12,507 17,165 7,625 25,502 1,360	2,451 25,361 13,770 37,227 694	6,678 18,881 10,323 30,563 459	19,178 22,187 12,639 34,638 1,512	17,808 29,072 13,666 21,864 1,395	12,279 16,945 7,518 25,966 1,328	2,216 23,478 13,045 34,013 649	6,173 17,009 9,239 26,323 404	16,642 19,326 11,439 29,029 1,288	15,952 26,532 12,438 18,571 1,339	10,862 15,495 7,133 23,158 1,161
Pike Pontotoe Prentiss Quitman. Rankin.	41 21 28 29 23	1 3 5	4,182 16,812 14,440 19,881 2,073	3,835 13,788 11,166 16,244 2,608	3,742 16,062 12,813 14,475 7,807	9,121 10,889 10,832 11,792 16,117	21,234 10,777 8,662 11,110 12,878	4,012 17,293 14,888 20,748 1,832	3,651 14,364 11,374 16,868 2,419	3,676 16,518 13,282 14,698 7,417	8,607 11,161 11,365 12,683 15,621	19,442 10,928 8,943 11,563 12,435	4,022 16,528 13,919 16,661 2,014	3,511 12,349 9,626 13,117 2,498	3,356 14,383 11,264 10,542 7,141	8,608 10,321 10,099 9,863 14,885	19,521 10,128 8,119 9,198 11,866
Scott	20 29 19 31 66	13 5 7 5 4	1,290 20,178 3,362 2,827 89,770	2,058 13,224 2,791 3,659 59,047	8,658 15,944 5,479 8,743 48,003	11,018 22,136 12,277 13,358 50,715	7,921 18,849 10,758 10,702 37,853	1,238 23,511 3,183 2,665 97,634	1,965 15,133 2,520 3,379 64,113	8,469 18,460 4,914 8,101 49,885	11,210 24,527 11,666 12,992 52,875	7,661 21,345 10,082 10,197 38,677	1,186 13,734 3,282 2,747 71,676	1,796 11,683 2,665 3,512 50,714	7,747 13,465 5,247 8,239 38,672	10, 182 16, 774 11, 835 12, 525 41, 525	7,171 14,744 10,192 10,249 34,601
Tallahatchie Tate Tippah Tishomingo Tunica	53 27 22 25 40	6 3 1 5 5	49,176 20,800 10,684 8,191 35,338	39,086 14,814 8,403 6,593 25,826	37,808 17,673 10,726 8,209 29,519	32,467 11,954 8,969 5,730 24,084	26,155 14,862 5,500 4,013 27,073	50,376 21,603 10,925 8,471 37,381	41,173 15,729 8,616 6,746 27,226	39,199 18,532 11,035 8,531 31,030	33, 460 12, 855 9, 303 5, 712 25, 404	26,715 15,088 5,740 4,053 28,275	40,762 19,550 10,245 7,939 26,332	33,369 13,306 6,948 5,723 20,695	28, 261 15, 791 8, 755 7, 036 21, 573	25,687 10,852 7,997 5,421 18,149	23,018 13,028 4,835 3,846 22,196
Union	25 26 76 18 29	4 14 10 6 1	13,238 7,602 87,412 2,217 11,342	10,867 5,684 50,818 2,773 10,533	13,098 8,177 45,441 5,643 13,698	10,669 8,395 63,485 4,221 11,086	7,915 11,329 60,522 4,414 8,059	13,913 7,497 98,579 2,336 10,886	11,143 5,517 57,297 2,907 10,487	13,520 7,889 50,978 5,722 13,556	11,089 8,031 72,751 4,288 10,778	8,013 10,586 67,648 4,516 7,746	12,946 5,883 66,477 2,051 11,101	9,463 4,969 44,528 2,516 9,342	11,551 6,672 41,374 4,701 11,943	9,838 6,820 51,613 3,766 10,211	7,377 8,943 50,569 3,961 7,138
Wilkinson Winston Yalobusha Yazoo All other	12 35 40 59 7	29 4 6 9 11	1,075 8,346 18,394 30,469 491	936 11,750 14,819 16,437 276	1,628 14,385 18,594 24,767 943	1,186 13,438 11,127 40,950 1,604	4,358 7,736 12,265 32,181 1,740	961 8,556 18,350 30,409 505	881 12,248 15,302 16,421 276	1,563 14,615 19,170 23,780 939	1,152 14,405 11,165 40,884 1,591	4,161 7,694 12,248 31,243 1,678	859 7,989 17,774 26,823 421	898 10,259 12,954 15,995 206	1,524 10,933 14,772 22,558 792	1,063 12,174 9,756 37,705 1,458	4,271 6,584 10,995 26,025 1,561
								Miss	ouri.								
The state	102	12	63,761	53, 538	91,119	58,822	44,444	67,105	55,691	96,808	59,633	45,141	59,376	45,732	67,967	44,993	41,644
Dunklin New Madrid Oregon ¹ Ozark	32 10 5 13	1 2 	30,458 9,294 338 701	27,364 6,615 170 809	38,935 14,249 791 1,302	25,251 8,971 340 1,555	22,340 5,938 1,176	31,701 9,967 348 724	28,480 6,827 175 794	40,975 15,204 818 1,303	25,035 9,046 360 1,587	22,460 5,832 1,192	28,518 8,757 307 509	23,155 5,686 128 672	29,318 10,337 493 959	19,971 6,533 224 981	21,651 5,101 1,128
PemiscotStoddardTaneyAll other	24 6 6 6	2 6	16,575 4,034 511 1,850	13,044 3,600 462 1,474	23,836 7,444 634 3,925	16,350 4,677 833 839	9,655 3,907 639 789	17,702 4,251 522 1,890	13,654 3,732 471 1,558	25,810 7,864 651 4,183	16,860 5,010 893 842	9,997 4,169 698 793	15,309 3,901 385 1,689	11, 488 3, 206 412 985	17,826 6,442 475 2,117	12,503 3,646 540 595	8,865 3,721 617 561
								RTH C. See map or									
The state	2,715	273	837, 995	906,351	1,126,276	753, 087	633,746	792, 545	865, 653	1,075,826	706,142	600,606	708, 598	819, 662	913,944	664, 722	581,954
Alamance Alexander Anson Beaufort Bertie	15 10 72 22 60	2 1 5 1	1,466 2,591 25,515 9,551 13,373	1,139 2,575 22,420 13,829 13,320	1,608 2,460 29,181 17,231 16,607	1,419 2,148 24,371 8,234 9,596	934 1,415 21,129 8,216 6,715	1,300 2,438 24,790 9,331 13,461	1,009 2,318 21,927 13,707 13,448	1,444 2,233 27,961 17,369 17,215	1,264 1,966 23,694 7,816 9,588	785 1,229 21,053 8,232 6,736	1,203 2,230 23,067 7,477 9,453	960 2,339 21,412 12,344 11,510	1,167 1,964 24,691 14,212 11,196	1,159 1,712 21,914 7,307 7,804	805 1,195 19,690 7,590 5,702
Bladen Brunswick. Cabarrus Camden Carteret.	31 8 47 9 9	1 8 1	7,958 768 12,676 4,040 1,710	8,040 538 12,183 4,102 2,103	10,848 1,177 10,886 5,271 2,951	5,626 940 12,147 2,206 1,664	4,733 598 9,146 1,306 933	7,530 785 12,526 4,210 1,644	7,923 570 12,037 4,358 2,001	10,839 1,212 10,433 5,577 2,894	5,516 948 11,911 2,314 1,536	4,759 591 8,762 1,317 891	6,879 356 11,591 3,652 1,317	7,453 339 11,443 4,007 1,829	8,982 726 9,687 4,715 1,545	5,264 469 11,034 2,084 1,074	4,441 427 8,28 3 1,200 715
Catawba Chatham Chowan Cleveland Columbus	17 50	1 4 5 4 2	10,137 8,803 4,888 23,482 9,114	9,073 7,385 5,426 20,155 9,157	8,915 11,163 6,788 23,640 13,484	7,887 8,628 3,571 18,574 6,221	6,095 7,527 2,514 16,098 5,035	8,860 7,470 5,044 22,017 8,919	7,892 6,333 5,664 19,087 9,234	7,833 9,607 7,278 22,737 13,605	7,024 7,289 3,714 17,482 5,983	5,411 6,464 2,560 15,013 4,923	9,518 7,943 3,788 21,452 8,129	8,251 7,013 4,617 18,855 8,687	7,730 9,773 5,264 21,992 10,736	7,356 7,513 3,153 17,326 5,754	5,372 6,689 2,302 14,656 4,725
Craven	30 55 12 13 40	3 2 1 6	5,395 19,155 2,985 2,649 10,645	7,563 21,272 2,583 2,901 12,960	11,546 24,102 2,662 2,531 15,417	6,055 19,095 3,123 2,479 9,199	5,047 17,680 2,424 1,807 6,910	5,261 17,998 2,647 2,349 10,004	7,481 20,230 2,403 2,600 12,535	11,558 22,747 2,410 2,256 14,677	5,692 17,598 2,661 2,219 8,204	4,820 16,973 2,057 1,600 6,240	4,481 17,491 2,523 2,153 9,306	6,699 20,194 2,368 2,611 12,131	8,766 20,099 1,921 2,059 12,598	5,034 17,419 2,598 1,997 8,306	4,684 16,966 2,037 1,645 6,426
Durham Edgecombe Franklin Gaston		3 17 14 6	•	1,150 37,219 13,899 12,143	2,224 46,093 23,045 14,563		-	1,307 27,711 14,097 12,974	971 34,055 12,428 11,560		-	819 21,730 11,068 10,621	1, 259 20, 541 12, 721 12, 178		1,861 34,072 20,642 12,755	850 24,907 11,515 13,935	835 21,550 11,439 10,527

¹ Oregon County included in "All other" for 1909.

² Hoke County organized from parts of Cumberland and Robeson.

Table 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE OROPS OF 1909 TO 1913, BY COUNTIES—Continued.

-	GINNE	RIES				TOT	AL QUAN	TITY GINN	ED,						LES GINN		
COUNTY.	Ac- tive.	I dl e	Numb	er of bale	s (countii bales)—	ng round s	as half	Numl	oer of equ	ivalent 50	0-pound l	oales—	(cou	NTING RO	UND AS H	ALF BALE	s)
	191	3	1918	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
	,					N	ORTH	CARO	LINA-	Continue	d.						
tesanville	20 10 32 3 122	3 17 1 5	5,207 1,525 8,008 435 32,110	4, 721 1, 431 14, 817 437 32, 081	6,477 2,645 17,504 578 40,206	3,834 1,710 9,813 310 23,315	2,595 1,474 7,593 293 19,611	5, 299 1, 363 7, 604 386 30, 453	4, 836 1, 292 14, 864 387 31, 044	6,508 2,350 17,704 519 38,019	3,864 1,521 9,538 276 21,977	2, 642 1, 277 7, 468 238 18, 697	4,384 1,277 6,189 295 24,694	4,544 1,351 12,334 385 29,680	5, 365 2, 233 12, 572 428 32, 806	3,546 1,460 8,880 179 18,859	2, 4 1, 2 7, 0 17, 1
rnett. rtfordke¹	49 24 28 6 49	2 4 4	19,408 5,039 14,490 881 15,108	20,275 6,327 13,659 1,885 12,372	25,336 7,998 16,316 2,759 10,931	13,339 3,991 1,320 12,089	11,790 2,414 1,114 9,282	17,875 5,113 14,255 871 14,214	18, 227 6, 389 13, 766 2, 163 11, 647	22,777 7,828 16,019 2,804 9,936	11,784 3,898 1,345 11,064	10, 470 2, 365 1, 174 8, 549	17,677 3,485 13,343 439 13,233	19, 531 5, 156 12, 743 55 10, 982	23, 174 5, 501 13, 498 715 9, 660	12,347 3,418 735 10,713	11, 2, 8,
dell inston es e	105 31 19 57 37	5	38,751 5,068 6,787 10,616 8,522	44, 309 7, 116 6, 207 15, 480 7, 416	59,715 10,477 7,852 20,635 8,274	36, 254 5, 088 5, 201 9, 735 8, 249	32,806 5,569 4,719 7,571 5,754	34, 915 5, 152 5, 720 9, 890 8, 099	38, 921 7, 169 5, 275 15, 375 6, 631	54, 615 10, 339 6, 750 20, 594 7, 323	31, 577 4, 708 4, 485 9, 435 7, 381	29, 105 5, 432 4, 041 7, 618 5, 034	34, 593 4, 528 5, 904 8, 985 7, 986	41, 195 6, 288 5, 860 14, 658 6, 465	49,338 8,503 6,823 17,465 7,606	32,479 4,774 4,471 9,302 7,565	31, 5, 4, 7, 5,
rtincklenburgntgomeryoreshshrthamptonslowslowslow	49 58 30 28 63 71	3 10 4 4 5 9	9,745 31,164 5,237 4,017 29,860 16,171 4,437	10,960 28,178 5,093 3,755 32,004 15,112	13,649 30,769 6,881 4,722 41,666 18,717 7,075	6,642 33,669 5,259 1,936 24,844 11,559 4,449	4,801 27,749 4,364 1,441 19,826 9,383 3,159	9, 484 30, 622 5, 039 3, 571 27, 418 16, 349 4, 255	10, 925 28, 285 5, 060 3, 343 28, 637 15, 082 4, 475	13,728 30,307 6,408 4,582 37,091 18,979 6,711	6,541 32,854 5,008 1,716 22,320 11,575 4,039	4,745 28,337 4,268 1,396 17,883 9,499 2,946	6,832 27,458 4,651 3,632 22,780 12,756 3,431	8, 918 25, 523 4, 720 3, 399 28, 583 14, 021 4, 221	9,825 27,042 5,319 3,703 32,192 14,787 4,973	5,559 30,987 4,754 1,644 20,520 9,245 3,736	4, 25. 3, 1, 18, 8, 2,
ange	16 16 8 8 21 79	2 5 2 2 12 2	1,738 4,682 5,313 1,737 7,308 21,656 1,767	1,372 6,502 7,076 2,054 8,598 31,978 1,515	2,547 8,848 8,654 3,720 9,934 43,399 2,465	1,802 4,996 4,617 1,247 5,158 24,598 1,808	1,455 3,910 3,117 724 3,802 17,379 1,515	1,531 4,699 5,536 1,588 7,212 20,735 1,626	1,158 6,492 7,315 1,964 8,658 31,258 1,382	2, 269 8, 981 9, 187 3, 611 10, 246 42, 925 2, 242	1,594 5,126 4,954 1,160 5,356 23,354 1,618	1,246 3,955 3,347 688 3,480 16,736 1,402 587	1,523 3,802 4,497 1,401 6,501 16,194 1,675 1,265	1,265 5,652 6,186 969 7,918 27,429 1,399 1,287	2,121 7,129 7,201 855 8,793 31,151 2,283 506	1,427 4,365 3,857 130 4,510 22,169 1,641 481	3, 2, 3, 16, 1,
ndolph chmond beson ¹ wan therford npson	13 65 101 42 32 74 39	3 6 7 5 10 4 2	1,534 13,931 54,039 10,278 10,253 21,510 27,649	1,651 15,868 62,332 9,062 9,206 27,762 31,962	1,983 18,272 76,812 7,854 11,836 28,723 32,743	1,785 14,539 62,944 9,826 8,948 16,091 25,819	657 11, 830 61, 321 6, 675 6, 747 15, 370 27, 002	1,340 13,209 52,584 9,754 9,435 20,159 26,831	1,448 15,217 61,943 8,629 8,396 26,652 31,853	1,823 17,998 75,822 7,362 10,823 27,482 32,245	1,500 14,094 62,363 9,376 8,007 14,167 25,385	11,830 61,634 6,217 6,142 13,845 27,164	13,028 47,283 9,320 9,517 17,582 24,884	15, 242 57, 573 8, 253 8, 537 23, 049 29, 263	15, 149 60, 936 6, 782 11, 031 21, 972 27, 001	13,025 56,806 8,510 8,261 13,868 23,635	11, 58, 5, 6, 13, 25,
nly rrellion nceke.	32 9 50 13 111 50	3 1 4 1 5	8, 488 1, 141 31, 409 4, 375 28, 530 11, 653	31, 962 8, 890 1, 466 29, 996 4, 513 26, 377 10, 237	9, 165 1, 681 29, 843 7, 772 46, 247 15, 108	8,514 707 28,355 4,514 27,354 11,084	7,521 499 21,725 2,980 27,105 9,465	7,501 1,157 29,669 3,725 25,072 10,805	8, 090 1, 472 28, 844 3, 935 22, 959 9, 516	8,531 1,836 28,184 7,057 41,169 13,893	7, 988 712 26, 864 4, 083 23, 968 9, 953	6,758 464 19,613 2,694 23,977 8,693	7,555 968 27,164 3,949 25,392 10,112	8, 250 276 27, 858 4, 440 24, 725 9, 881	7,810 270 26,149 7,377 40,030 13,883	7,521 113 25,841 4,216 23,399 9,840	19, 2, 25, 8,
shington lyne lson other	28 104 47 12	2 4 11 3	3,741 29,965 23,557 1,797	4, 086 39, 627 31, 065 1, 514	4,962 45,591 40,581 1,952	2,696 26,315 24,309 908	1,652 25,108 17,549 573	3,886 28,047 22,031 1,703	4, 482 38, 018 28, 940 1, 465	5,332 44,068 37,976 1,835	2, 797 24, 699 22, 345 812	1,675 23,632 16,461 528	3, 047 23, 916 18, 024 739	3,848 35,643 26,890 1,218	4, 053 36, 988 30, 380 1, 413	2, 463 23, 476 21, 711 800	1, 22, 16,
								OKLAE See map o		.]							
The state	1, 035	116	842, 499	1,005,109	1,016,538	919,842	552, 678	840, 387	1,021,250	1,022,092	923, 063	544, 954	789, 782	902, 329	862, 838	868, 561	514,
air. ka. kka. kka. kine. yan. ido. nadian. ter. prokee. octaw.	3 12 17 4 30 30 5 28 10 24	1 5 4 2 1 1 1 2 1	822 10, 189 13, 080 931 39, 032 22, 987 1, 405 21, 330 5, 566 20, 447 12, 264	775 7,526 24,873 1,236 35,530 22,186 1,763 22,803 4,824 16,795 16,634	1, 217 9, 199 19, 388 2, 742 43, 371 34, 786 1, 999 21, 580 7, 616 19, 308	1,144 3,672 23,728 1,843 25,005 20,367 1,026 20,395 6,454 9,949 20,090	498 1,341 12,725 1,034 10,983 13,596 779 10,294 3,686 4,274 11,188	816 10, 328 12, 559 939 40, 603 22, 169 1, 350 22, 300 5, 528 21, 114 12, 563	783 7,710 24,300 1,186 37,525 21,844 1,697 23,432 4,783 17,383 16,694	1; 236 9; 372 19; 748 2; 749 45; 094 34; 536 1; 917 22; 400 7; 732 19; 976 14; 947	1, 134 3, 735 23, 073 1, 814 26, 380 19, 768 1, 002 21, 133 6, 382 10, 122 20, 315	477 1, 280 12, 412 981 11, 099 12, 894 10, 553 3, 651 4, 277 11, 154	819 9, 923 11, 658 832 37, 127 21, 479 1, 259 20, 317 5, 240 19, 595 11, 638	750 7,142 22,345 1,077 30,113 19,864 1,660 20,936 4,715 15,821 15,592	1, 005 7, 967 14, 210 2, 034 38, 609 26, 143 1, 421 19, 838 6, 656 18, 128	883 3,550 22,656 1,690 23,492 19,358 990 19,530 5,709 9,729 19,605	1, 10, 10, 12, 10, 3, 4,
veland I nanche 2 ton 2 ek ter vey vin dy	20 8 18 13 21 8 3 30 20	1	6,915 15,096 11,071 19,087 1,675 301 27,900 14,584	7, 524 22, 860 22, 904 19, 392 2, 675 809 28, 640 14, 013	15, 150 8, 415 24, 193 21, 740 3, 958 925 33, 769 18, 810	16,563 4,697 628 30,063 9,229	2, 386 25, 392 8, 531 2, 222 426 18, 946 3, 475	12, 303 6, 925 14, 842 10, 562 18, 854 1, 596 287 27, 352 14, 435	7, 417 22, 970 23, 014 19, 021 2, 634 795 28, 318 14, 358	21, 773 3, 862 903 33, 757 18, 720	16, 577 4, 567 625 30, 035 9, 211	2, 345 25, 377 8, 248 2, 139 410 18, 414 3, 430	6,778 14,219 10,127 17,692 1,471 284 26,602 13,662	6, 967 19, 956 20, 420 17, 947 2, 455 777 26, 077 12, 607	7, 396 21, 146 17, 303 3, 142 717 28, 330 15, 126	6,327 30,161 16,008 4,897 595 29,032 8,497	2, 23, 7, 1, 18, 3,
er rmon skell ghes kson orson nston gfisher	19 12 17 31 17 22 23 8	3 1 4 8 3 3 3	12, 182 8, 078 15, 151 32, 391 10, 136 13, 724 22, 645 2, 523	31, 550 19, 409 13, 439 31, 706 41, 326 29, 019 21, 034 4, 769	17, 806 16, 238 17, 565 35, 050 26, 700 12, 644 21, 776 6, 415	27, 546 22, 648 15, 496 25, 359 37, 350 15, 000 17, 568 4, 512	15, 720 9, 372 7, 575 18, 815 25, 732 10, 258 5, 685 3, 634	12,075 8,065 15,809 31,561 9,848 12,794 22,813 2,425	35, 304 19, 696 13, 858 31, 580 43, 136 30, 389 23, 697 4, 596	17, 877 16, 430 17, 850 35, 122 26, 700 12, 813 21, 658 6, 152	27, 507 22, 924 15, 694 25, 211 38, 119 15, 423 17, 726 4, 405	15, 720 9, 372 7, 701 18, 225 26, 123 10, 246 5, 708 3, 444	7,309 14,361 30,893 8,927 13,501 21,623 2,417	25, 204 14, 847 13, 127 30, 355 32, 731 24, 971 18, 322 4, 350	15, 715 14, 105 14, 338 30, 082 22, 135 11, 115 20, 469 5, 463	25, 508 21, 198 14, 337 24, 145 34, 722 14, 304 17, 185 4, 107	13, 8, 7, 18, 21, 9, 5, 3,
imer ³	26 4 39	1 	2, 323 17, 747 2, 143 22, 381	40, 148 1, 457 17, 486	20, 127	35, 311 20, 794	24, 573	16,398 2,157 22,493	40, 317 1, 461 17, 536	19, 845	35, 410 20, 304	24, 627	16,009 2,102 21,161	35, 021 1, 424 16, 645	16, 968 23, 405	33, 676 18, 953	21, 11, 28,

¹ Hoke County organized from parts of Cumberland and Robeson. ² Cotton County organized from part of Comanche.

³ Latimer County included in "All other" for 1911, 1910, and 1909.

Table 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNERIES	. *			TOT	AL QUAN	TITY GINN	ED.				NUMB	ER OF BA	LES GINN	ED TO DE	c. 13
COUNTY.	Ac- tive. Idle	Numb	Number of bales (counting round as half bales)— Number of equivalent 500-pound bales— 1913 1912 1911 1910 1909 1913 1912 1911 1910 190												ALF BALE	
	1913	1918	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
						OKL	AHOMA	Contin	ued.							
Love'	20 3	14, 484 12, 420 12, 183 21, 970 15, 816	19, 962 14, 189 10, 869 18, 860 18, 131	18,142 16,193 11,531 20,904 16,377	15,574 13,065 5,414 17,299 12,067	6,921 6,322 1,945 11,979 3,800	15,122 12,557 12,592 21,566 16,684	20, 706 14, 129 10, 873 18, 935 18, 423	18,534 16,112 11,651 20,900 16,860	16,082 13,149 5,405 17,309 12,384	7,004 6,198 1,896 11,145 3,815	13,688 12,044 11,748 20,768 14,610	17,379 13,623 10,394 18,014 16,468	16,545 13,606 10,087 17,393 15,304	14,868 12,697 5,232 16,360 11,866	6,545 6,214 1,846 11,926 3,766
Mayes Murray Muskogee Noble Okfuskee	9	2,264 8,310 25,220 1,274 23,502	2,255 8,131 21,454 1,207 29,124	4,002 9,334 28,093 2,749 31,272	3,405 10,136 23,450 1,521 24,015	1,134 4,728 9,240 1,919 19,393	2,183 8,513 25,356 1,291 23,725	2,258 8,263 21,647 1,185 29,723	3,964 9,435 28,677 2,722 31,459	3,337 10,696 23,694 1,446 24,423	1,102 4,728 9,175 1,851 19,320	2,079 7,590 24,050 1,074 22,348	1,936 7,212 19,892 1,060 27,215	3,540 8,747 22,956 2,132 25,950	2,752 9,818 21,625 1,432 22,556	1,100 4,695 8,973 1,604 18,851
Oklahoma Okmulgee Osage Pawnee Payne	$\begin{bmatrix} 7 & 4 \\ 5 & 3 \\ 10 & 5 \end{bmatrix}$	10, 735 9, 004 3, 379 5, 747 13, 528	10, 429 10, 587 3, 332 6, 529 15, 073	11,654 12,882 6,380 9,725 21,309	12, 175 9, 477 4, 437 8, 419 15, 931	7, 515 5, 589 2, 146 6, 214 14, 946	10,699 9,130 3,569 5,463 13,479	10, 385 10, 723 3, 303 6, 451 14, 992	11,717 13,268 6,383 9,747 21,173	12, 102 9, 507 4, 441 8, 426 15, 345	7, 498 5, 215 2, 117 5, 794 14, 378	9,537 8,590 3,073 5,079 12,223	9,401 9,591 2,784 5,883 13,339	10,215 10,559 5,109 7,551 16,176	11,539 9,122 4,228 8,035 14,846	6,888 5,264 1,626 5,302 13,141
Pittsburg Pontotoe Pottawatomie Pushmataha Roger Mills	. 25 4	25,002 24,497 31,298 6,198 1,922	20, 992 24, 480 36, 465 5, 711 3, 507	27,603 30,068 36,901 6,002 6,592	19,690 25,937 47,988 2,630 2,989	8,639 11,871 31,321 1,050 725	25,048 25,333 30,641 6,400 1,808	21, 280 24, 547 36, 647 5, 881 3, 488	27, 816 30, 381 36, 450 6, 046 6, 614	19,639 26,737 47,896 2,676 2,947	8,473 11,858 30,615 1,048 704	23,843 23,189 28,867 6,051 1,718	20, 443 22, 503 33, 944 5, 537 3, 221	23,593 26,227 32,794 5,112 5,358	19,067 24,953 45,887 2,555 2,003	8,593 11,538 29,670 1,043 626
Seminole Sequoyah Stephens Tillman Tulsa	26 22 1 18	19,067 26,568 21,480 16,043 5,722	20, 997 22, 724 29, 563 34, 860 4, 296	23, 284 30, 313 22, 664 20, 978 5, 319	19, 437 25, 878 21, 836 19, 405 3, 340	13,514 15,791 14,636 13,710 1,178	18,506 25,705 21,553 15,982 5,822	20, 993 22, 088 30, 361 35, 655 4, 296	22,786 30,711 23,049 21,238 5,304	19,468 25,469 22,395 19,129 3,430	13, 284 15, 958 14, 616 14, 017 1, 149	18,170 24,848 20,597 14,638 5,362	20, 132 21, 502 25, 467 30, 008 3, 972	20,885 25,051 18,787 17,579 4,303	18,824 23,278 20,726 18,047 2,917	13,251 15,357 14,317 11,726 1,145
Wagoner Washita Woodward All other	$\begin{bmatrix} 22 \\ 3 \end{bmatrix} \dots \begin{bmatrix} 2 \\ 1 \end{bmatrix}$	13, 204 17, 346 39 761	11,034 22,153 77 890	13,614 16,239 449 5,191	14,637 21,183 236 2,223	11, 954 14, 317 212 1, 106	12,734 16,996 37 733	11,107 21,657 78 884	13,649 15,563 444 5,146	14,344 20,713 226 2,167	11,270 14,254 204 1,077	12,247 16,015 11 670	9, 856 20, 091 61 542	11,185 12,719 327 4,106	13,819 20,691 196 1,926	11,743 13,149 131 856

SOUTH CAROLINA.

[See map on page 78.]

The state	3,216 250	1,418,704	1,224,245	1,692,146	1,210,968	1,137,382	1,377,814	1,182,128	1,648,712	1,163,501	1,099,955	1,276,428	1,128,850	1,423,383	1,107,556	1,064,819
AbbevilleAikenAndersonBambergBarnwell	52 9 158 10 125 8 60 10 129 13	48,066 73,541 27,641	28, 975 36, 873 54, 577 19, 932 43, 407	42, 162 51, 361 80, 382 28, 019 67, 601	32,804 36,160 63,175 16,572 42,958	29, 854 37, 500 49, 501 21, 396 43, 248	35, 335 47, 121 71, 549 28, 354 61, 408	28, 343 35, 506 53, 118 19, 629 45, 274	40,762 50,403 78,717 29,353 70,267	32,069 35,687 61,611 16,890 45,043	29, 596 36, 530 48, 203 22, 329 44, 919	30, 833 44, 622 66, 452 25, 776 53, 506	27, 269 34, 271 49, 781 18, 906 40, 326	38, 202 45, 003 73, 342 24, 097 56, 588	31,547 32,554 60,375 15,280 39,750	27,727 35,671 46,097 20,599 41,865
Beaufort ¹ Berkeley Calhoun Charleston Cherokee	27 58 83 84 14 33	13,500 27,800 15,880	5,920 10,809 22,231 11,686 14,107	7,040 17,118 31,730 11,586 16,542	9, 904 12, 465 21, 441 14, 169 14, 793	7,744 12,406 23,244 13,436 12,131	7,504 11,907 25,170 13,465 17,382	5,448 9,296 19,852 9,060 13,661	6, 730 15, 479 28, 437 9, 567 16, 224	8,993 11,178 20,125 10,770 14,210	6,803 11,454 21,292 9,754 11,391	6, 949 12, 815 24, 840 13, 637 16, 636	4,946 10,352 19,096 9,270 13,328	6,369 14,330 23,336 10,106 15,350	7,527 11,861 18,353 11,194 13,903	6,530 11,943 21,140 10,331 11,644
Chester	83 88 55 39 68	33, 076 40, 268	31, 212 31, 864 35, 469 15, 233 40, 420	36,012 36,418 54,222 21,916 57,700	28, 384 29, 878 36, 060 15, 571 40, 369	21,931 24,063 31,832 16,844 42,547	30, 674 31, 746 39, 575 19, 148 38, 456	30,026 31,342 34,887 14,526 40,493	34,327 34,561 53,973 20,662 59,131	26, 908 26, 424 36, 954 14, 390 40, 587	20,830 22,696 32,870 15,749 43,287	29, 864 27, 025 38, 371 18, 108 34, 325	29, 986 29, 354 32, 854 13, 805 38, 536	32,912 28,723 41,436 18,154 47,100	27, 153 25, 833 32, 350 14, 257 35, 375	20,388 22,418 30,162 15,891 41,108
Dillon Dorchester Edgefield Fairfield Florence	92 35 86 83 77	16,661 33,235 26,349	39,048 13,528 27,436 26,462 38,965	50, 576 19, 295 40, 356 33, 486 58, 902	40,376 14,188 26,430 25,682 33,916	40,340 11,530 27,611 21,179 37,411	36, 868 15, 831 31, 899 26, 570 44, 176	37,978 12,568 25,916 25,954 37,555	50,303 18,770 39,541 33,526 60,269	39,318 13,947 25,034 25,143 34,140	38,910 10,970 26,203 20,522 37,942	32, 891 15, 922 30, 819 23, 690 41, 084	36, 709 12, 371 26, 051 24, 909 36, 318	39,347 14,912 34,801 29,219 46,261	35, 918 11, 645 24, 715 24, 599 31, 407	38,207 11,353 25,394 19,897 35,738
GeorgetownGreenvilleGreenwoodHampton 1Horry.	48 .	1 33,819	3,157 34,585 30,125 14,774 10,259	5,935 54,442 45,546 25,797 16,164	3,464 37,369 29,744 16,642 8,486	3,946 29,488 28,073 19,559 8,293	3,857 42,896 34,015 20,832 9,721	3,115 32,967 29,962 15,350 9,434	6,038 51,759 45,391 26,715 15,013	3, 413 35, 281 28, 959 16, 625 7, 816	4,012 27,521 27,439 20,185 7,847	3, 462 38, 717 28, 855 18, 097 9, 042	2,997 29,811 28,133 13,408 8,878	4,611 47,498 40,262 21,622 11,632	3, 272 33, 767 28, 055 15, 113 7, 652	3,716 25,903 25,718 18,605 7,800
Jasper ¹ . Kershaw. Lancaster. Laurens. Lee.	18 92 87 86 60	25, 640 45, 384	5,142 25,916 26,144 35,638 34,093	36,193 31,137 54,686 47,713	23, 063 24, 556 42, 312 28, 459	19,619 20,735 32,321 32,246	6, 196 26, 343 24, 799 42, 951 39, 974	5,239 24,791 24,722 34,255 35,205	34,615 29,860 51,678 49,087	21, 527 23, 053 39, 709 26, 877	20, 461 19, 250 30, 569 32, 169	5, 999 24, 858 21, 915 40, 213 34, 968	4,588 24,837 24,302 33,957 31,965	30, 239 26, 769 49, 155 37, 438	20, 661 22, 546 40, 386 25, 623	17,449 18,591 30,132 30,444
Lexington Marion Marlboro Newberry Oconee	96 43 131 83	17, 890 56, 583 40, 611	22,942 18,439 71,208 34,510 15,516	34,011 29,436 75,942 46,426 22,824	24,177 17,810 66,413 33,826 15,196	21,632 18,041 67,842 29,304 13,714	23, 863 16, 409 55, 202 37, 841 19, 765	21,125 17,141 68,516 32,281 14,635	31,209 27,593 75,410 43,436 21,386	21, 484 16, 585 67, 343 31, 289 13, 850	19,962 17,027 67,177 27,012 12,529	24,322 16,855 47,940 35,798 18,292	20,774 17,624 62,548 31,755 12,694	29,048 23,272 60,063 39,821 19,980	21,886 16,720 58,752 31,763 13,677	20,379 17,301 64,719 27,607 12,577
Orangeburg Pickens Richland Saluda Spartanburg	37 10 67 54	19,512 22,679	60,699 14,161 21,172 23,551 57,811	87, 976 22, 520 22, 613 30, 470 78, 145	56, 596 15, 163 15, 249 19, 437 59, 711	62,412 13,081 16,332 19,706 46,206	77, 612 18, 209 21, 386 24, 665 69, 764	58,346 12,923 20,054 22,732 55,334	83,006 20,345 21,582 28,928 74,889	53, 080 13, 780 14, 246 18, 282 56, 312	58,847 11,077 15,649 18,729 42,977	73,370 16,418 21,553 23,691 65,044	55, 404 11, 205 19, 881 22, 491 53, 157	68,576 19,638 19,601 26,517 70,992	51, 880 12, 471 14, 476 17, 932 54, 970	58,823 11,500 15,580 18,869 41,933
Sumter Union Williamsburg York	43 9 55 8	41, 155 20, 724 26, 577 40, 997	34, 426 17, 529 23, 894 40, 400	50, 613 23, 029 38, 701 49, 403	33,535 18,167 24,790 41,508	29, 205 13, 945 31, 144 34, 790	41, 427 20, 389 26, 572 38, 988	34,137 17,231 23,579 38,622	51,534 21,799 39,297 47,140	33, 622 17, 135 24, 264 39, 458	28, 936 12, 882 32, 327 32, 821	38,423 19,117 24,148 37,166	33,020 16,797 22,185 38,001	42, 151 21, 767 30, 021 43, 122	30, 638 17, 739 22, 766 39, 215	27,432 13,321 29,982 32,335

¹ Jasper County organized from parts of Beaufort and Hampton,

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNE	RIES				тот	AL QUAN	NTY GINN	ED.					ER OF BA			
COUNTY.	Ac- tive.	Idle	Numb	er of bale	s (counti bales)—	ng round	as half	Numl	er of equ	ivalent 50	0-pound b	oales—	(cou	NTING ROV	JND AS II	ALF BALE	:s)
	1913 1918 1912 1911 1910								1912	1911	1910	1909	1913	1912	1911	1910	1909

TENNESSEE.

[See map on page 78.]

The state	865	74	366,786	267, 439	430,027	321,103	240, 757	379,471	276, 546	449,737	331,947	246,630	340, 685	230, 239	360, 510	269,670	221,465
Benton Bradley Carroll Chester Crockett	4 3 24 13 15	1 1 2 3 1	2,528 1,114 12,185 4,650 15,431	2, 222 854 9,877 3,818 10,510	3,629 1,156 17,933 5,548 14,172	1,885 650 11,466 4,073 11,116	953 538 9,705 3,171 8,322	2,587 1,024 12,088 4,714 16,150	2,354 783 9,480 3,817 10,827	4,133 1,048 18,155 5,804 14,532	1,997 572 11,338 4,227 11,347	966 469 9,457 3,255 8,505	2,323 1,094 11,621 4,541 14,721	1,827 770 9,069 3,349 9,753	2,851 977 15,796 4,606 12,863	1,608 552 9,739 3,704 9,694	938 513 9,221 3,055 8,015
Decatur Dyer Fayette Franklin ¹	12 22 45 3	4 3 2	2,872 25,650 27,584 1,311	2,154 17,029 18,166 941	4,595 31,727 25,802	2,129 24,329 26,284	2, 226 14, 745 16, 702	2,789 26,430 29,063 1,216	2,154 17,516 19,256 885	4,617 33,916 27,293	2,171 24,864 27,693	2,286 14,671 17,390	2,560 24,378 25,115 761	1,885 15,374 15,455 604	3,110 27,133 21,908	1,988 19,728 22,715	2,117 13,631 15,428
Gibson	26 22 33 21 33 30	9 2 2 4	28,190 6,290 15,110 5,875 23,045 8,830	20,708 5,639 11,496 4,888 15,443 7,010	30,323 11,955 17,878 9,297 24,277 12,143	22,353 7,316 14,004 6,023 18,702 8,741	15,562 4,592 9,656 4,935 14,562 6,358	27,981 6,207 15,340 5,973 24,054 8,994	20,845 5,586 11,783 4,887 15,841 7,035	37,318 12,065 18,815 9,675 25,331 12,651	22,380 7,291 14,892 6,257 19,248 7,636	15,322 4,361 9,857 4,994 14,882 6,391	25,532 6,051 14,605 5,628 21,650 8,454	18,284 4,350 9,444 4,179 12,287 6,140	31,081 8,854 14,648 7,105 20,750 8,544	17,565 6,106 12,758 5,308 15,014 7,144	14,404 4,221 9,180 4,664 13,829 5,595
Heury Lake Lauderdale Lawrence ¹ Lincoln	4 11 30 4 11	2 1 4 	2,344 15,837 26,340 1,642 4,912	2,076 12,255 20,949 1,164 4,117	3,853 22,523 29,039 6,641	2,528 18,939 20,412 4,114	1,823 11,123 22,275 3,528	2,317 16,363 27,567 1,641 5,065	2,278 12,826 22,043 1,225 4,187	4,051 22,906 30,247 6,928	2,662 18,666 21,506	1,847 10,892 22,850 3,652	2,120 14,643 24,664 1,610 4,850	1,945 10,996 18,128 990 3,558	3,316 17,921 25,546 5,715	2,173 14,547 16,741 3,746	1,668 9,397 18,779 3,354
McMinn McNairy Madison Obion Polk	9 34 37 7 6	5 2	2,040 9,726 17,658 6,703 1,308	1,508 7,966 10,508 3,801 1,224	2,763 11,541 21,356 8,479 1,482	1,369 7,828 15,695 4,353 990	1,223 5,277 10,795 2,504 1,147	1,950 9,926 18,301 6,537 1,197	1,432 8,277 11,265 3,893 1,123	2,601 12,017 23,060 8,655 1,406	1,289 8,171 16,900 4,429 855	1,108 5,416 10,994 2,328 1,007	1,979 9,205 16,585 5,738 1,282	1,385 6,942 8,922 3,668 1,156	2,052 9,767 18,832 7,136 1,361	1,184 7,265 13,646 3,670 805	1,197 4,820 10,037 1,931 1,099
Rutherford Shelby Tipton Wayne Weakley All other	53 33 5 7 2	3 5 1 5	7,992 53,816 29,086 821 5,201 695	6,589 38,284 22,023 691 2,906 623	10,762 53,261 31,710 1,559 4,755 3,868	7,209 45,201 28,586 806 3,117 885	6,137 36,685 22,932 366 2,057 858	8,222 57,820 31,250 833 5,182 690	6,799 40,765 23,168 695 2,905 616	10,865 56,830 34,640 1,622 4,657 3,899	7,235 48,166 31,102 837 3,093 881	6,191 40,119 24,198 370 2,006 846	7,304 47,935 27,561 806 4,670 639	5,913 30,789 19,149 594 2,794 540	8,535 44,540 27,345 1,006 4,472 2,740	5,956 38,224 23,920 684 2,782 704	5,514 33,044 21,763 353 1,890 810

TEXAS.

[See map on page 79.]

The state	4,352 343	3,773,024	4,645,309	4,107,152	2,949,968	2,469,331	3,944,970	4,880,210	4,256,427	3,049,409	2,522,811	3,627,190	4,368,915	3,862,143	2,849,259	2,262,93B
Anderson	47 5 22 2 7 3 20 1 43 5	24,207 7,358 4,249 10,717 27,463	24,858 6,412 10,147 14,021 27,644	29, 028 5, 775 2, 456 9, 087 29, 974	17,552 3,518 4,128 5,948 24,734	15,093 2,535 4,114 4,202 15,630	25,016 7,552 4,325 11,392 29,984	25, 494 6, 334 10, 395 14, 798 30, 165	28,964 5,694 2,450 9,436 32,184	17, 935 3, 528 4, 175 6, 179 26, 967	15,014 2,455 4,280 4,297 16,653	23, 436 6, 946 4, 015 10, 670 26, 858	24,130 6,222 8,911 13,568 26,711	26, 643 5, 122 2, 032 8, 138 28, 846	17,309 3,376 3,957 5,429 24,330	14,014 2,344 3,704 3,974 14,349
Bandera Bastrop Baylor Bee Bell	31 3 9 3 13 1 62 1	2,243 35,729 8,055 7,613 68,525	1,868 34,335 15,863 19,150 82,494	1,296 33,233 6,170 11,862 76,530	681 22,323 9,522 10,394 55,339	607 17,618 8,919 7,942 54,942	2,389 37,890 8,223 7,994 74,144	2,003 37,477 16,336 20,077 87,213	1,418 35,049 6,187 12,253 81,321	721 23,795 9,720 11,022 58,006	613 18,629 9,131 8,404 57,898	2, 215 34, 522 7, 357 7, 582 66, 443	1,865 33,174 13,715 18,931 79,445	1,248 31,271 5,193 11,834 74,070	678 21,431 8,918 10,342 53,583	592 16,337 6,888 7,864 50,216
Bexar. Blanco. Bosque. Bowie. Brazoria	7 3 22 2 26 2 18 1	8,337	27, 215 4, 524 27, 211 25, 760 7, 886	19,501 3,634 24,273 24,093 5,764	11,115 2,879 16,965 17,104 3,895	13,126 2,703 15,318 11,670 470	27, 312 5, 423 21, 939 29, 026 8, 947	28,875 4,756 28,479 27,805 8,454	21,318 3,760 24,836 25,221 6,016	11,544 2,892 17,196 17,884 3,826	13,412 2,765 15,358 11,754 443	25, 595 4, 998 19, 419 26, 622 7, 301	26, 491 4, 505 25, 958 24, 964 7, 750	18, 154 3, 585 23, 041 22, 833 5, 130	10,598 2,869 16,668 16,847 2,267	12,971 2,693 11,605 11,525 440
Brazos. Brooks². Brown. Burleson. Burnet.	31 3 22 6 34 3 17	26,831 1,824 14,719 30,046 12,388	34,275 3,814 18,219 34,922 10,747	36,474 20,558 35,894 11,187	12,845 24,329 7,750	19,655 11,384 17,198 5,577	28, 204 1, 822 15, 526 31, 969 13, 277	37,216 3,753 18,525 37,925 11,461	38,176 20,817 37,107 11,894	25,869 12,747 26,228 8,000	19,826 11,541 18,030 5,876	26,736 1,817 14,604 29,355 12,010	34,063 3,813 18,203 34,542 10,664	35, 435 18, 708 34, 853 10, 957	12,682 24,082 24,082 7,580	17,883 10,544 16,467 5,552
Caldwell Calhoun Callahau Cameron 3 Camp	$\begin{array}{c c} 32 \\ 7 \\ 15 \\ 1 \\ 22 \\ 1 \end{array}$	58,405 5,238 10,384 6,701 12,252	55,013 5,264 15,593 8,034 12,431	51,753 3,287 10,843 12,955 12,755	28,902 3,114 8,862 3,544 8,844	36,087 1,299 12,965 1,097 7,345	62,077 5,362 10,226 6,901 12,703	59,961 5,388 16,332 8,285 12,861	54,850 3,462 11,283 13,281 12,479	31,078 3,222 9,213 3,713 8,796	38,134 1,307 13,489 1,115 7,100	57,187 5,161 10,109 6,509 11,905	53,474 4,555 15,369 7,948 12,157	49,091 2,754 10,486 12,797 12,157	28,153 2,831 8,664 3,586 8,695	34,832 1,047 11,979 1,066 7,088
Cass	65 5 48 2 8 4 23 1 8 5	11	26,716 20,393 19,419 27,774 7,351	23,434 21,711 13,959 9,978 7,127	16,341 12,300 13,969 16,809 683	14,936 8,643 9,194 21,096 5,392	24,524 22,704 7,027 13,295 4,632	26,192 20,948 19,462 28,779 7,511	22,800 21,298 14,060 10,208 7,374	15,851 12,047 14,234 17,186 669	14,273 8,456 9,065 21,421 5,584	23,940 22,002 6,634 12,736 4,615	26,230 20,133 16,611 25,201 7,254	22,383 20,023 11,733 9,247 6,791	16,019 11,728 12,687 16,011 631	14,476 7,994 6,905 19,461 5,125
Coleman Collin Collingsworth Colorado Comal	$egin{array}{c cccc} 24 & 4 & 4 & 4 \\ 66 & 4 & 7 & 1 \\ 27 & 1 & 1 \\ 13 & 2 & 2 \\ \hline \end{array}$	24,191 76,714 7,504 19,010 16,581	24,216 101,426 11,163 21,338 13,965	33,594 62,529 10,228 18,896 11,566	16,280 75,083 7,278 16,012 7,265	27,002 55,602 2,144 5,707 8,738	25,362 79,813 7,328 20,854 17,778	25,204 105,463 11,308 23,681 15,113	34,881 62,729 10,445 20,570 12,336	16,694 74,978 7,418 17,008 7,859	29,172 54,293 2,123 6,119 9,161	23,981 70,975 6,953 18,583 16,257	23,874 91,235 9,406 20,688 13,322	31,837 60,699 8,524 18,161 10,876	15,902 72,764 6,943 15,726 7,161	25,516 52,980 1,933 5,231 8,656
Comanche	35 4 7 4 25 3 33 6 8 2	21,748 5,568 20,792 25,271 5,112	34,399 4,537 35,908 36,491 11,551	38, 276 5, 273 26, 783 31, 927 8, 419	27,787 1,711 26,511 18,413 5,931	21,923 5,201 14,440 17,503 3,331	22, 383 5, 830 21, 865 27, 091 5, 082	36,477 4,686 37,624 38,491 11,923	40,236 5,429 27,651 33,172 8,672	28,559 1,748 27,412 18,678 5,988	22, 133 5, 403 14, 668 18, 273 3, 253	20, 813 5, 496 19, 752 24, 803 4, 657	33,767 4,508 32,754 35,706 9,780	35,516 4,892 25,056 31,449 6,496	26,274 1,664 25,826 18,236 5,314	19,532 4,976 13,869 16,167 2,512
Crosby 4	$egin{array}{c c} 4 & 1 \\ 50 & 1 \\ 26 & \\ 24 & 6 \\ 29 & 2 \\ \end{array}$	3,483 56,697 53,008 31,714 36,805	1,037 87,225 53,765 40,567 56,753	44,846 41,015 41,858 35,294	49,644 33,162 28,847 34,053	32,120 30,570 22,105 24,147	3,588 57,411 54,354 33,528 37,313	1,061 92,301 55,109 41,541 59,193	46,353 42,615 43,249 36,769	51,362 32,737 30,337 35,156	32,460 30,279 22,965 24,740	2,663 55,066 52,528 29,163 34,482	352 80,209 51,676 38,180 47,863	43, 488 39, 984 40, 348 32, 748	48,546 32,730 28,040 33,104	29,648 29,793 21,839 22,380

1 Franklin and Lawrence Counties included in "All other" for 1911, 1910, and 1909.
2 Brooks County organized from parts of Hidalgo, Starr, and Zapata in 1911; included in "All other" for 1911,
3 Willacy County organized from parts of Cameron and Hidalgo in 1911.
4 Crosby County included in "All other" for 1911, 1910, and 1909.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINN	ERIES				тот	AL QUAN	IITY GINN	ED.				3-7737-	ED OF T	TWO OTHER	ED MO PT	rc 19
COUNTY.	Ac- tive	Idle	Numl	per of bale	s (counting bales)—	ng round s	as half	Numl	er of equi	ivalent 50	0-pouṇd l	ales—	(COU	ER OF BA	LES GINN UND AS H	IALF BALE	s)—
	19	13	1918	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
	<u>'</u>			/			TI	EXAS	Continue	ı.	<u></u>					· · · · · · · · · · · · · · · · · · ·	
Dickens Donley ¹ Duval Eastland Ellis	. 5 . 5 . 9 . 27 . 81	1 2	3,489 3,819 3,365 27,531 120,419	6, 276 5, 509 8, 979 36, 656 178, 353	6,302 6,205 5,561 29,981 136,427	3,257 2,135 4,587 26,397 104,505	1,053 4,562 29,441 77,901	3,511 3,546 3,518 29,177 124,537	6,648 5,540 9,304 37,866 187,449	6,472 6,337 5,709 30,838 138,774	3,322 2,176 4,748 26,935 106,384	1,047 4,659 29,977 79,655	3,196 3,457 3,342 26,483 117,951	5,875 3,726 8,933 35,517 159,307	5,389 3,787 5,290 28,080 131,243	2,968 1,973 4,363 24,243 99,380	940 3,967 25,622 71,444
Erath. Falls. Fannin. Fayette Fisher.		2 3 2	20, 354 62, 315 65, 036 43, 810 13, 848	39,286 72,555 96,038 47,441 10,004	33,876 65,477 85,884 41,515 13,807	27,367 45,699 69,379 32,242 8,402	21, 151 41, 926 45, 655 21, 313 10, 316	21,669 67,196 69,524 47,367 13,560	41,140 79,317 102,588 52,109 10,492	34,950 68,541 89,955 44,903 14,287	2/, 925 46, 686 70, 531 35, 286 8, 600	21,340 44,378 46,137 22,570 10,291	19,740 60,463 56,561 42,918 13,144	37, 929 69, 120 87, 513 45, 916 9, 782	31,347 61,594 79,285 40,007 12,850	26,219 44,209 63,913 31,368 8,006	17,530 37,330 44,447 20,132 8,874
Floyd 2FoardFort BendFranklinFreestone			2, 936 2, 956 33, 775 11, 031 24, 762	2,683 9,879 32,345 12,950 24,880	7,225 23,798 10,081 29,645	6,254 23,017 7,200 16,816	5, 182 7, 614 5, 557 13, 806	2,985 2,877 35,038 11,461 26,292	2,629 10,154 34,240 13,419 26,293	7,293 25,302 10,121 31,370	6,434 23,993 7,282 17,246	5,265 7,454 5,541 14,262	1,684 2,791 32,956 10,702 24,348	1,710 8,162 32,017 12,402 23,794	6,400 23,055 10,003 28,264	5,657 22,648 7,114 16,711	4,456 7,186 5,509 12,996
FrioGillespieGoliadGonzalesGrayson	12 18 14 35 52		15, 417 13, 468 14, 401 49, 908 54, 118	16, 542 9, 524 18, 185 44, 865 77, 049	10,554 9,444 13,139 36,604 49,495	9,746 7,452 9,007 28,317 54,692	6,738 6,606 9,645 26,342 34,447	16, 592 14, 034 14, 018 55, 325 55, 828	17,525 10,055 17,905 49,235 79,638	10,755 10,043 13,205 39,020 50,564	10,079 7,916 8,918 30,530 56,018	7,044 6,846 8,277 28,318 34,390	15,371 13,140 14,282 48,613 50,066	16, 267 9, 460 17, 924 44, 163 68, 344	9,242 9,325 12,731 35,755 46,892	8,468 7,408 9,006 28,197 51,583	6,408 6,524 9,509 25,874 33,654
Gregg Grimes Guadalupe Hale ² Hall	22 38 35 35 15	5 3 1	9, 176 27, 063 54, 922 335 14, 584	12,011 27,661 47,107 732 24,116	12,167 28,843 37,307 28,437	8,000 20,806 23,514 19,740	6,836 14,084 32,767	8,993 28,611 58,953 337 14,479	12,174 29,520 51,516 737 24,642	12,109 30,129 39,732 29,040	7,962 21,738 25,122 20,119	6,474 14,656 33,813 10,622	8,988 26,660 52,866 281 12,832	11,878 27,495 43,956 513 18,504	11,575 28,077 35,210 21,284	7,793 20,679 22,883 16,611	6,271 13,518 31,961 7,139
Hamilton Hardeman Harris Harrison Haskell	.1 7	2	14, 418 4, 728 6, 511 22, 534 15, 602	23, 476 17, 567 4, 235 24, 683 25, 226	23,178 11,452 4,649 26,919 14,760	15,608 12,932 3,217 17,837 13,637	11,472 10,304 2,476 17,394 14,680	15, 551 4, 705 6, 700 23, 305 17, 240	25, 101 17, 145 4, 307 24, 905 26, 457	24,620 11,644 4,719 27,560 15,182	16,307 13,413 3,349 18,094 14,403	11,672 10,409 2,532 16,983 15,050	13,967 4,361 6,222 21,902 14,180	22,821 12,347 4,111 24,442 20,858	22,266 9,500 4,299 24,721 12,717	15,280 12,339 3,098 17,589 12,774	10,086 8,389 2,239 16,664 8,977
Hays	20 35 69 10	2 9 1	28,992 27,477 1,924 76,670 7,778	31,289 23,223 5,854 126,097 17,291	24,433 26,894 10,630 117,221 10,608	17,728 13,790 2,103 71,400 9,505	. 23,337 9,984 67,079 5,757	31,068 28,114 1,925 77,374 7,969	33,730 23,808 6,037 134,798 17,875	26,138 27,513 11,289 120,550 10,608	18,877 14,033 2,142 74,137 9,520	24,831 9,966 68,999 5,603	28,520 26,713 1,894 67,734 7,547	29,933 22,530 5,619 119,320 15,230	23,424 25,924 10,131 113,877 10,094	17,248 13,777 2,083 70,729 8,827	22,155 9,277 58,729 4,000
Hopkins Houston Howard Hunt Jack	. 17	7	51, 153 29, 817 4, 667 68, 494 5, 997	42,771 30,527 3,733 82,743 15,963	45,557 35,959 7,132 84,616 6,850	29,404 22,087 1,576 63,419 8,985	21,668 18,995 3,212 53,043 7,255	53,700 30,324 5,404 70,576 6,345	44, 157 32, 505 3, 585 85, 159 16, 254	46,249 38,109 7,295 86,183 6,990	29,657 23,290 1,546 64,478 9,319	21,301 20,087 3,107 52,611 7,352	48,587 28,698 4,386 64,576 5,807	40,071 29,861 3,643 75,307 14,692	44,210 32,715 6,509 81,792 6,109	29,386 21,465 1,490 62,080 8,537	20,599 18,185 2,954 50,608 6,496
Jackson Jasper. Jim Wells 4 Johnson. Jones.		1 1	7,690 1,211 2,409 46,480 20,882	6,507 883 7,043 68,302 35,302	3,905 417 4,341 56,602 25,165	2,598 290 38,375 13,807	1, 150 361 20,578 22, 169	8, 124 1, 190 2, 518 49, 557 21, 191	7,077 828 7,126 73,561 36,333	4,017 387 4,514 58,945 26,292	2,869 274 40,202 14,307	1,156 329 21,664 22,998	7,527 877 2,389 44,604 19,740	6,455 597 7,017 62,816 32,886	3,803 232 4,324 53,677 22,743	2,501 210 35,330 12,654	1,100 303 16,205 17,977
Karnes. Kaufman Kendali. Kent. Kerr	. 20 . 60 . 6	i	29, 434 71, 453 2, 584 3, 767 971	34,031 98,263 2,365 3,000 527	26,112 67,062 1,575 2,924 327	22,559 53,065 1,428 2,863 213	16,120 43,130 1,501 1,018 353	29,786 76,216 2,709 3,700 1,024	34,483 104,511 2,496 3,141 552	26,105 69,273 1,659 2,837 344	22,286 55,563 1,513 2,920 222	16,367 44,949 1,564 980 373	29,298 67,563 2,550 3,549 957	32,972 92,213 2,365 2,819 527	25,317 64,765 1,546 2,690 324	22,438 52,519 1,423 2,798 213	15, 972 39, 374 1, 452 827 346
Kimble ² Kieberg ⁴ Knox La Salle Lamar	. 13	3	1,429 1,760 13,146 2,103 72,533	458 19,567 4,019 81,593	13, 155 1, 341 95, 989	8,226 1,418 64,547	12,402 1,126 44,612	1,464 1,790 13,272 2,270 74,753	19,947 4,103 85,983	13,271 1,345 100,251	8,284 1,424 67,297	12,300 1,148 45,790	1,328 1,750 12,160 2,087 68,717	17,260 3,871 77,094	12,072 1,249 89,807	7,869 1,013 62,873	8,598 1,045 43,264
Lampasas. Lavaca. Lee. Leon Liberty.	. 35 . 20	2	5, 074 38, 630 15, 164 22, 528 2, 713	6,249 41,652 15,575 21,235 1,934	6,671 39,308 14,130 28,156 1,826	4,701 30,474 10,005 17,479 960	4,025 19,909 8,893 15,298 598	5,447 42,114 16,044 23,716 2,731	6,726 46,650 16,511 21,948 1,811	7,029 43,207 15,109 29,233 1,818	4,946 33,485 10,830 18,000 950	4, 158 21, 516 9, 324 15, 526 567	4,967 38,038 14,618 21,615 2,567	6,172 40,508 15,030 20,894 1,715	6,513 37,965 13,134 25,923 1,388	4,664 29,625 9,832 17,322 612	3,939 19,096 7,836 14,548 340
Limestone Live Oak ² Llano McCulloch McLennan	. 10 . 19	i	62, 946 674 4, 444 15, 882 98, 367	84, 011 2, 150 2, 512 12, 369 132, 226	3,541 12,641 120,801	53,614 2,572 9,389 85,855	2,919 14,526 84,693	64,331 683 4,720 16,949 106,055	88, 900 2, 223 2, 653 12, 767 143, 915	3,766 13,268 127,198	2,662 9,697 91,285	2, 996 14, 927 88, 093	62,459 608 4,123 15,650 93,391	82, 138 2, 130 2, 491 12, 271 126, 587	78,322 3,426 11,868 114,275	2,429 9,124 83,932	2,770 14,113 74,341
Madison	. 14	1 1	13,017 6,313 4,974 6,821 13,000	13,747 6,789 3,704 6,516 17,838	14,606 7,862 4,640 4,344 10,344	9,889 4,928 2,712 826 11,374	8,731 4,855 2,600 8,000	13,788 6,395 5,266 7,155 13,468	14,338 6,877 4,000 6,934 18,933	15,363 7,845 4,919 4,506 10,874	10,484 4,900 2,787 846 11,925	8,965 4,764 2,645 8,163	12,329 6,070 4,809 6,601 12,811	13,655 6,710 3,689 6,471 17,513	14,258 7,302 4,563 1,641 9,550	9,741 4,861 2,577 552 10,481	7,741 4,645 2,544 7,940
Menard	. 61 . 15 . 12	1	1, 969 62, 220 9, 006 12, 028 21, 807 8, 312	870 76,603 12,671 9,907 39,318 8,305	1,230 83,525 13,647 13,792 29,147 7,359	541 50,392 8,867 6,994 27,666 5,047	470 39,231 7,284 6,389 21,414 4,198	2,114 66,184 9,465 13,481 22,426 8,620	885 81,521 13,472 10,024 41,048 8,577	1,277 88,055 14,125 13,889 29,986 7,721	560 54,427 9,126 6,832 28,435 5,186	484 41,214 7,414 6,476 21,705 4,246	1,889 60,867 8,793 11,431 21,319 8,192	764 74,826 12,486 9,751 33,429 8,237	784 80,778 13,070 12,825 27,091 7,171	449 49, 273 8, 756 6, 236 26, 622 4, 995	349 35,883 6,819 5,080 19,381 3,953

¹ Donley, Hidalgo, and Matagorda Counties included in "All other" for 1900.
2 Floyd, Hale, Kimble, and Live Oak Counties included in "All other" for 1911, 1910, and 1909.
3 Parts of Hidalgo County included in Brooks and Willacy Counties, organized in 1911.
4 Jim Wells and Kleberg Counties organized from parts of Nucces.

Table 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

	GINNE	RIES				TOT	al QUAN	IITY GINN	ED,				37777	n on nu	To CINDI	an mo na	c 12
COUNTY.	Ac- tive.	Idle	Numl	per of bale	s (counting bales)—	g round s	s half	Numb	er of equi	valent 500)- pound b	ales—				ED TO DE ALF BALE	
* العياديات	191	3	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
	<u> </u>		<u> </u>		<u></u>		T	EXAS-	Continue	l.							
Morria Motley Nacogdoches Navarro	21 4 [2 73	1 2 3	9,354 2,857 21,717 98,470	11,717 2,858 21,304 103,651	11,097 5,241 21,974 109,913	6,217 3,557 14,261 65,355	5,339 1,880 11,686 56,646	9,866 2,915 21,487 102,212	11,478 2,901 21,010 111,300	10,735 5,287 22,273 113,254	5,871 3,624 14,181 68,139	5,035 1,898 11,062 58,323	9,646 2,452 20,510 95,575	11,251 2,200 21,071 96,454	10,452 3,677 21,155 106,572	5,764 1,930 14,172 64,689	5,138 1,475 11,482 52,204
Newton Nolan Nueces ¹ Palo Pinto	11 10 19 17	2 2 1 2	595 7,302 14,8£3 7,487	393 8,452 18,882 17,703	423 10,987 10,742 10,695	291 3,192 8,566 10,346	352 6,992 5,925 5,929	541 7,315 15,186 7,530	360 8, 741 19, 951 18, 093	397 11,470 11,028 10,631	267 3,238 8,868 10,350	325 7,232 5,862 5,908	389 6,961 14,799 7,298	239 8,303 18,749 16,504	237 10,360 10,682 9,509	177 3,070 8,450 9,935	335 6,462 5,668 4,902
Panola	35 31 23 9 45	5 2	21,274 19,157 9,101 7,882 44,929	24, 494 38, 578 7, 092 8, 789 42, 718	23,205 23,491 6,303 9,405 51, 1 52	17,982 23,835 3,492 6,119 33,289	14,197 18,109 3,210 3,341 19,722	21,840 19,904 9,400 8,350 48,020	24,411 40,144 7,527 9,536 44,991	23,372 23,637 6,515 9,668 53,884	18,065 24,121 3,497 6,421 34,388	13,913 17,794 3,076 3,332 19,951	20,406 18,464 8,681 7,665 44,130	24,145 34,817 .6,903 8,444 41,552	22,565 21,580 5,577 9,186 48,166	17,773 22,575 3,433 6,104 32,658	12,976 15,069 2,883 3,179 19,595
Refugio ²	8 50 17 18 73	10 3	9,226 42,150 23,029 16,054 29,496	7,842 50,840 29,804 24,853 32,654	66,253 21,763 30,760 33,928	39, 680 20, 787 10, 277 22, 650	33,978 14,407 25,979 16,245	9,730 43,001 24,544 16,847 29,160	8,407 53,006 31,211 25,663 32,994	69,022 22,159 31,671 33,670	41,283 21,286 10,501 21,844	34,573 14,540 27,304 15,472	8,616 41,126 22,603 15,697 28,456	6,060 49,471 27,827 24,475 31,635	60,208 21,118 28,783 31,587	39,148 20,402 9,762 22,312	31,063 13,525 22,952 15,089
Sabine San Augustine San Jacinto San Patricio San Saba	22 28 15 11 19	 i	4,445 10,878 7,833 19,404 9,576	3,796 8,526 6,837 16,678 9,524	3,584 7,340 6,709 13,666 12,120	2,438 6,021 4,127 6,663 7,715	2,355 4,463 3,223 4,343 6,847	4,498 10,643 8,099 19,839 10,095	3,798 8,506 7,048 17,165 9,909	3,555 7,246 7,031 14,030 12,588	2,409 5,972 4,245 6,898 7,919	2,258 4,285 3,138 4,554 6,962	3,785 10,047 7,583 19,390 9,242	3,188 8,451 6,773 16,511 9,489	3,149 7,185 6,113 13,633 11,564	2,269 5,951 4,084 6,655 7,582	2,195 4,384 3,106 4,276 6,742
Scurry. Shackelford. Shelby. Smith. Somervell.	11 3 50	2 2 5 5	10,014 1,931 24,892 39,288 2,134	7,795 4,727 23,505 46,934 4,328	13,110 2,422 22,152 49,021 3,059	7,700 2,291 15,917 30,720 2,801	5,219 2,714 12,784 25,501 1,770	9,946 2,002 25,420 39,233 2,203	7,935 4,838 22,875 47,554 4,486	13,220 2,467 21,443 48,521 3,054	7,856 2,390 15,112 30,579 2,808	5,278 2,751 11,940 24,731 1,730	9,538 1,894 23,112 38,502 2,049	7,712 4,420 23,263 45,603 3,986	11,820 2,014 20,946 45,027 2,850	7,286 2,024 15,568 30,283 2,634	4,233 2,378 12,472 23,456 1,064
Stephens Stonewall Tarrant Taylor Throckmorton	7	1 1 2 9	2,807 6,473 27,725 14,207 3,267	5, 492 5, 227 47, 305 24, 996 7, 492	2,124 5,160 31,582 23,316 1,960	2,908 4,201 27,737 9,794 4,651	2,653 3,796 14,508 21,711 2,839	2,945 6,513 28,180 14,557 3,352	5,808 5,238 48,885 26,246 7,865	1,983 5,324 32,433 24,449 2,054	2,694 4,285 28,404 9,955 4,905	2,706 3,798 14,738 22,453 2,981	2,748 5,732 26,542 13,688 3,180	5,334 4,500 41,093 24,538 7,357	1,953 4,609 29,353 21,190 1,808	2,794 4,077 26,860 9,055 4,489	2,244 2,878 12,366 19,748 2,347
Titus Tom Green Travis Trinity Tyler	28	3 1 3	16,243 3,589 63,525 7,892 2,349	17, 025 3, 953 68, 709 7, 732 1, 829	15,733 3,379 59,814 8,323 1,631	12,555 1,437 41,732 5,311 969	9,230 3,012 48,011 3,816 941	16,623 3,753 66,879 8,348 2,359	17,304 4,102 73,574 8,095 1,699	15,881 3,484 64,312 8,596 1,612	12,681 1,361 45,428 5,530 947	9,025 3,096 50,465 3,798 876	15,642 3,436 61,833 7,441 2,201	16,305 3,817 65,055 7,566 1,746	15,302 2,918 56,971 7,798 1,372	12,087 1,377 40,278 5,258 959	9,070 2,646 43,919 3,706 846
Upshur Uvalde Van Zandt Victoria Walker	56 8 52 18 27	1 3	21,773 6,650 40,130 23,752 13,194	23,443 9,725 39,448 20,156 15,716	23,729 4,284 38,392 14,148 14,592	12,999 3,382 24,170 11,437 10,067	12,612 2,988 17,707 9,697 8,089	21,912 6,889 40,275 24,859 14,239	23,354 0,871 40,939 21,228 16,939	23,591 4,503 40,227 14,745 15,497	12,284 3,546 24,900 12,147 10,480	12,052 3,107 18,352 10,181 8,225	20,824 6,604 39,215 23,547 12,912	22,714 9,612 36,550 19,597 15,174	21,805 4,090 32,545 13,887 13,813	12,758 3,348 20,762 11,413 9,939	11,968 2,949 15,315 9,444 7,649
Waller	44	1 2 4	11,621 1,608 41,248 21,091 1,859	13,322 1,208 38,154 24,695 2,918	15,998 40,649 15,923 4,381	12,344 30,849 15,338 2,236	6,200 22,211 2,503 682	11,972 1,648 45,959 22,205 1,758	13,586 1,243 41,084 25,293 2,887	16,385 43,397 16,751 4,450	12,675 32,996 16,091 2,185	6,343 22,993 2,476 692	11,294 1,247 40,641 20,245 1,729	13,219 1,022 36,983 24,228 2,481	39,565 14,975 2,976	12,266 30,043 15,117 2,125	5,977 20,595 2,381 504
Wichita Wilbarger Williamson Wilson	8 17 75 16	3 2 4 2	6,003 11,168 103,131 27,854	13,445 34,284 124,187 24,289	4,290 17,261 121,139 20,375	8, 657 20, 866 73, 708 15, 029	7,805 15,055 78,104 13,508	6,063 11,070 114,262 29,631	13,337 35,052 134,689 25,465	4,280 17,965 130,104 20,986	8,756 21,329 79,616 15,555	7,855 15,209 83,334 13,525	5,716 9,929 101,308 27,524	11,516 24,299 118,333 23,476	3,860 14,188 117,931 18,723	8,383 19,040 71,180 14,354	7,096 12,630 69,322 13,356
Wise Wood Young All other	31 37 18 51	5 4 1 22	19,669 28,823 11,195 16,466	38,790 30,936 25,826 10,794	27,616 29,362 7,672 38,891	23, 645 18, 905 12, 211 13, 860	21,064 15,517 13,093 13,205	20,043 28,783 11,428 16,711	40,373 31,060 26,565 10,824	28,649 29,879 7,764 39,160	24, 241 18, 871 12, 565 13, 978	21,435 15,219 13,423 13,358	18,890 27,839 10,891 14,064	34,486 29,421 22,832 8,507	25, 166 28, 224 6, 906 25, 083	22,842 18,734 11,622 11,179	18,534 14,545 11,441 10,531
								VIRG	NIA.								
The state	134	20	24, 569	25,499	31,099	16, 095	10,746	23,490	24,398	29,891	14,815	10,095	20,832	24,111	25,513	13,952	9,493
Brunswick Greenesville Mecklenburg Nansemond	32 29 15 14	2 2 4 1	3,727 3,189 1,848 5,296	3,425 2,989 2,216 5,286	4,534 3,974 2,872 5,248	3,336 2,708 1,628 1,553	2,794 2,218 992 661	3,388 2,959 1,750 5,290	3,199 2,998 2,006 5,107	4,265 3,980 2,582 5,038	3,043 2,488 1,466 1,488	2,617 2,137 891 662	3,323 2,798 1,430 4,718	3,320 2,907 1,964 4,957	3,929 3,384 2,482 4,509	2,877 2,367 1,433 1,368	2,632 1,846 901 611
Norfolk ⁸ Southampton Sussex All other	3 23 14 4	2 5 1 3	1,357 7,228 1,389 535	2,164 7,601 1,409 409	10,069 1,755 2,647	4,894 883 1,093	2,757 594 730	1,338 6,940 1,316 509	2,246 7,110 1,317 415	9,823 1,647 2,556	4,477 815 1,038	2,555 547 686	1,163 5,990 1,031 379	2,120 7,296 1,263 284	7,949 1,355 1,905	4, 258 696 953	2,395 460 648

 ¹ Iim Wells and Kleberg Counties organized from parts of Nucces.
 2 Refugio and Ward Counties included in "All other" for 1911, 1910, and 1909.

³ Norfolk County included in "All other" for 1911, 1910, and 1909.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
			ALAI	BAMA.						
The state	44, 562	325, 735	839,899	1, 015, 788	1, 181, 232	1, 365, 246	1,444,212	1, 467, 883	1, 475, 154	1, 483, 669
AutaugaBaldwin	2, 295 35	7,745 218	13,441 444	15,471 - 658	17, 426 701	19,379 754	20,103 799	20, 296 802	20, 298 802	20, 542 850
Autauga. Baldwin Barbour Bibb Blount	1,299 89 (1)	10,072 1,245 757	21,548 3,454 6,962	25,389 4,520 9,323	27,680 5,565 11,785	30,988 7,180 13,913	33,761 8,043 14,549	34,300 8,206 14,758	34, 401 8, 293 14, 818	34, 753 8, 343 14, 901
Bullock Butler Calhoun Chambers Cherokee	1, 183 18 (1) (1)	6, 121 8, 379 3, 534 5, 195 2, 787	15, 952 16, 776 12, 620 18, 955 11, 524	18, 844 19, 640 15, 415 23, 245 14, 796	21, 558 21, 854 18, 076 26, 950 17, 372	24, 551 24, 443 20, 783 31, 224 20, 266	26,671 25,692 21,670 34,300 21,102	27, 068 25, 935 21, 961 35, 771 21, 255	27, 190 26, 033 22, 019 36, 149 21, 360	27, 205 26, 062 22, 176 36, 286 21, 739
Chilton Choctaw Clarke Clay Cleburne	212 76 244 3	3,975 825 2,784 705 445	10, 145 2, 152 5, 606 8, 207 3, 685	11,845 2,752 7,024 10,844 4,819	13, 557 3, 563 8, 044 13, 219 5, 779	15, 442 4, 579 9, 052 15, 630 6, 898	15,959 4,854 9,650 16,947 7,345	16,140 4,990 10,135 17,495 7,513	16,187 5,074 10,367 17,706 7,569	16, 204 5, 136 10, 837 17, 920 7, 681
Coffee Colbert Conecuh Coosa Coosa Covington	2,210 17 250 9 2,192	12,014 1,909 4,924 1,845 10,995	22,634 7,383 9,990 8,439 20,233	25, 781 8, 983 12, 201 10, 417 23, 091	28, 266 11, 402 13, 545 12, 065 25, 678	30,870 14,210 14,984 14,091 27,766	32,140 14,801 15,685 15,609 28,684	32,615 14,932 15,827 16,148 28,985	32,689 14,993 16,228 16,314 29,075	33, 024 15, 025 16, 276 16, 484 29, 169
Crenshaw Cullman Dale Dallas Dekalb	1, 494 4, 077 (1)	9,062 1,655 9,258 15,539 1,737	17, 209 11, 454 19, 700 29, 943 11, 621	20, 483 15, 062 22, 374 33, 903 15, 236	22,780 18,839 24,587 37,988 19,080	25,061 21,708 27,389 43,579 22,781	26, 854 23, 562 28, 649 45, 136 23, 591	28,116 23,767 20,099 45,404 23,934	28,186 24,015 29,206 45,413 24,062	28, 633 24, 123 29, 281 45, 466 24, 188
Elmore Escambia Etowah Fayette Franklin	1,784 793 (¹) 8	10,573 3,467 1,671 1,291 1,125	19,303 5,777 8,788 6,688 6,385	22,737 6,577 11,223 8,840 8,304	24,768 7,098 13,872 10,848 10,727	28, 239 7, 448 16, 271 12, 895 12, 763	29,506 7,581 17,342 13,528 13,378	30, 154 7, 623 17, 594 13, 914 13, 614	30, 433 7, 630 17, 638 14, 002 13, 687	30,746 7,637 17,838 14,248 13,861
Geneva. Greene. Hale. Henry. Houston.	4,420 477 515 1,968 3,607	14,787 3,933 5,065 8,767 14,373	24,700 9,324 13,907 17,636 25,236	27,589 11,376 16,684 20,104 28,255	30, 253 13, 402 19, 720 22, 327 30, 671	32, 494 16, 148 23, 551 25, 414 33, 480	33,609 17,309 25,404 26,747 34,949	33,893 17,428 25,780 27,100 35,283	33,976 17,452 25,828 27,175 35,391	34,014 17,525 26,245 27,219 35,491
Jackson Jefferson Lamar Lauderdale Lewrence	(¹) 13	810 277 1,842 1,772 2,084	6,132 3,001 7,635 9,929 8,865	8,922 4,378 9,808 12,289 11,424	11, 282 5, 781 12, 059 16, 530 14, 413	14,111 7,019 14,114 20,821 17,503	14,694 7,494 14,795 21,797 18,502	15, 282 7, 681 14, 978 21, 996 18, 823	15,464 7,740 15,084 22,055 18,891	15, 565 7, 957 15, 330 22, 083 19, 018
Lee. Limestone. Lowndes Macon. Madison	176 (¹) 1,111 885 40	6, 276 2, 952 9, 091 9, 240 4, 204	17, 868 11, 412 19, 581 20, 565 16, 384	21,764 13,883 23,061 23,597 20,759	25,077 17,133 26,217 26,220 25,219	29,094 20,570 31,307 29,552 29,792	31,502 21,276 33,634 31,524 30,834	32, 468 21, 408 33, 958 31, 959 31, 128	32,570 21,456 34,064 32,013 31,212	32, 583 21, 493 34, 107 32, 031 31, 236
Marengo. Marion. Marshall. Monroe. Montgomery.	1, 493 5 (1) 1, 532 2, 369 (1)	8,766 1,284 2,707 7,944 13,267 2,723	19,142 7,105 14,778 15,101 27,721 11,583	23, 291 9, 313 18, 979 17, 534 32, 433 14, 676	27, 202 12, 119 23, 918 18, 829 36, 090 17, 932	31, 561 13, 951 28, 510 20, 492 41, 283 20, 845	33,008 14,555 29,622 21,818 44,066 21,629	33,336 14,734 29,948 22,117 44,851 21,884	33, 409 14, 792 30, 041 22, 359 45, 003 21, 917	33, 493 14, 890 30, 334 22, 530 45, 059 22, 071
Morgan. Perry Pickens Pike Randolph Russell	1,562 116 2,078 3	8,003 1,907 13,945 2,117 6,454	18, 488 7, 303 28, 479 11, 730 15, 975	21,725 9,373 32,780 15,360	25,301 11,913 35,971 17,951 24,011	29, 623 15, 566 40, 534 20, 804 27, 408	31, 759 17, 007 42, 287 22, 605 29, 947	32,183 17,208 42,462 23,081 31,069	32, 284 17, 342 42, 465 23, 307 31, 299	32, 326 17, 441 42, 473 23, 618 31, 460
St. Clair Shelby Sumter Talladega Tallapoosa	20 265 195	1,290 1,355 2,295 5,998 4,947	6,140 6,310 6,612 19,984 16,727	20, 447 7, 770 7, 805 9, 540 24, 579 19, 974	9,320 9,480 12,106 29,000 23,382	11,158 11,623 14,086 34,225 27,173	11,817 12,394 15,049 36,145	12,063 12,513 15,189 36,805 30,357	12, 119 12, 588 15, 713 36, 856 30, 652	12, 182 12, 670 15, 713 36, 962 30, 680
Tanapossa. Tussaloosa. Walker. Washington. Wileox. Winston.	360 1,510 (1)	3,440 237 443 8,474 719	10, 647 3, 177 959 18, 498 4, 148	13, 492 4, 500 1, 124 21, 322 5, 879	16, 188 5, 954 1, 291 24, 452 7, 644	19,705 7,539 1,500 28,757	29, 464 21, 244 7, 983 1, 500 29, 669 8, 855	21,737 8,124 1,500 30,021 8,897	21,933 8,169 1,500 30,033	22, 024 8, 225 1, 607 30, 058 9, 058
All other.	34	95	99	202	202	8, 594 202	8, 855 228	228	8,929 236	264
The state	1,293	70,086	322, 181	NSAS. 431,522	606,388	789,937	885,979	933,913	967, 687	1, 038, 293
Arkansas Ashley Baxter	14	131 2,129 15	1,049 7,080 589	1,566 9,132 807	2,554 12,187 1,485	3,961 16,103 2,005	4,839 18,286 2,330 7,116	5,341 19,326 2,425	5,616 20,246 2,466	6,030 21,993 2,645
Bradley Calhoun Chicot Clark	22 8 (1) 29	727 247 1,266 888	2, 463 1, 911 4, 129 5, 057	3,399 2,764 6,361 6,563	4,676 4,139 8,945 9,179	6, 468 5, 691 11, 581 11, 870	7,116 6,408 16,276 12,617	7,352 6,606 18,575 13,053	7,397 6,740 19,569 13,353	7,468 6,834 22,307 13,607
Clay. Cleburne. Cleveland	46	465 227 1,757	4,343 1,941 4,257	5,735 2,465 5,466	8,246 3,445 7,086	10,743 4,360 9,168	11,461 4,577 10,035	11,945 4,698 10,553	11,972 4,741 10,688	12, 194 4, 775 10, 865

¹ Included in all other counties, to avoid disclosure of individual operations.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	J an. 1.	Jan. 16.	ginned.
		А	RKANSA	S-Continu	ied.					
Columbia Conway Craighead Crawford Crittenden	22 68 87	2,816 2,456 274 2,157 1,230	9,154 9,385 3,707 7,493 9,484	12,375 11,032 4,910 9,947 11,578	16,099 14,066 7,549 14,197 17,710	20,562 17,187 11,180 16,636 24,709	22,071 18,516 13,238 17,219 28,630	22,627 18,889 14,033 17,644 30,898	23,071 19,382 14,377 18,143 32,056	23,288 20,320 14,671 18,892 35,535
Cross. Dallas. Desha. Drew. Faulkner	(¹) 35 13 22	189 500 513 898 3,383	1,958 1,651 2,858 4,490 11,322	2,486 2,260 4,290 6,074 13,417	4,134 3,344 6,220 8,673 17,528	6,027 4,472 8,604 12,184 21,688	7,028 4,980 10,753 14,606 22,845	7,498 5,160 11,175 15,664 23,800	7,679 5,265 12,090 16,554 24,534	7,957 5,344 16,047 18,006 25,306
Franklin Fulton Grant Greene Hempstead	16 8 102	1,072 23 553 162 3,354	4,932 907 2,107 2,381 9,961	7,080 1,440 2,769 3,381 12,655	9,931 2,250 3,812 5,252 16,130	11,401 3,130 4,937 7,273 18,518	11,963 3,578 5,267 9,001 19,108	12,118 3,807 5,600 9,268 19,266	12,249 3,902 5,733 9,618 19,352	12,395 4,063 5,796 9,938 19,455
Hot Spring Howard Independence Izard Jackson	16 100 5	321 1,601 431 72 1,527	1,781 5,361 4,374 1,530 8,605	2,390 6,886 5,523 2,157 11,516	3,244 8,516 8,180 3,437 16,928	4,053 9,803 10,959 4,691 22,949	4,301 10,030 12,015 5,092 26,652	4,482 10,135 12,366 5,261 28,576	4,540 10,172 12,660 5,335 30,121	4,617 19,176 13,036 5,447 32,927
Jefferson Johnson Lafayotte Lawrence Lee	13 31 (¹)	1,899 707 1,557 545 563	11,223 4,316 5,490 5,077 6,141	17,389 5,904 7,302 6,612 8,312	24,405 8,207 9,439 9,791 12,610	33,632 9,794 11,739 13,947 17,308	40,489 10,252 12,528 15,808 20,953	45,868 10,603 12,980 16,662 23,330	48,706 11,051 13,450 17,045 24,504	60,047 11,483 13,775 17,794 27,329
Lincoln Little River Logan Lonoke Miller	(1) 60 64 19 22	1,048 2,022 2,129 2,685 1,243	4,637 6,076 8,425 9,949 4,863	7,196 7,915 11,127 14,441 6,501	10,524 10,462 15,699 20,668 8,488	14,102 12,731 18,478 27,630 10,252	17,053 13,430 19,116 31,373 10,906	18,407 13,779 10,440 33,983 11,417	19,290 14,070 19,704 36,785 11,971	22,084 14,616 20,122 41,172 12,583
Mississippi Monroe Montgomery Nevada Ouachita	(1) 9 18 67 22	2,790 904 141 2,574 1,119	11,370 5,142 1,460 6,071 3,690	15,218 6,372 2,106 8,424 4,919	23,008 9,131 3,186 9,874 6,536	34,010 11,937 3,718 12,602 8,165	38,526 14,067 3,833 12,717 8,829	40,157 14,953 3,896 12,775 9,021	42,531 15,786 3,911 12,776 9,132	47,180 16,170 3,922 13,043 9,304
Perry. Phillips. Pike. Poinsett. Polk.	(1) 14	687 1,495 177 62 193	2,667 10,266 1,580 1,121 1,461	3,177 13,340 2,264 1,593 2,204	4,350 19,134 3,066 3,086 2,935	5,412 25,752 3,779 4,709 3,437	5,722 30,848 3,897 5,616 3,537	5,932 33,853 4,011 5,880 3,558	6,046 36,082 4,060 6,083 3,618	6,190 40,737 4,101 7,005 3,619
Pope Prairio. Pulaski. Randolph.	1	2,304 425 917 370	9,303 2,549 5,335 2,872	11,580 3,296 7,871 3,531	15,698 4,999 11,388 5,315	18,587 6,871 15,028 6,885	19,827 7,865 18,266 7,817	20,300 8,387 19,861 8,263	20,955 8,723 20,906 8,350	21,461 9,299 24,236 8,485
St. Francis. Saline. Scott. Sebastian. Sevier.	68	696 228 567 1, 796	6,404 2,079 3,281 6,661 3,680	8,242 2,877 4,795 8,820	13,154 4,132 6,464 11,848	18,185 5,500 8,056 13,694 7,253	21,370 6,205 8,536 14,086 7,393	23,107 6,719 8,815 14,387 7,486	24,072 6,864 8,924 14,548 7,511	26,336 7,436 8,983 14,800 7,541
Sharp. Union. Van Buren.	26	1, 226 233	1,452 4,809 2,008	4,884 1,907 7,040 2,685	6,369 2,934 9,705 3,749	4,152 12,979 4,633	4,508 14,363 4,918	4,696 14,794 5,071	4,804 15,071 5,175 21,646	4,908 15,431 5,225
White Woodruff Yell All other	(1) 53 80	1,530 1,003 1,929 54	7,589 7,053 9,303 512	9,875 9,023 11,514 2,842	13,567 13,410 16,688 3,227	18,901 17,933 21,059 4,084	20,637 20,568 22,070 7,212	21,296 22,148 22,644 7,293	23,146 23,378 7,406	22,171 25,347 24,051 8,373
			FLO	RIDA.						
The state	2,960	16,367	35,956	47,315	53, 217	58,485	63,082	65,299	65,765	68,700
Alachua. Baker Bradford Columbia. Hamilton	80 12 28 (1)	1,551 66 584 528 652	3,750 306 1,606 1,588 1,573	4,656 454 1,941 2,046 2,083	5,261 562 2,227 2,282 2,660	5,630 709 2,485 2,453 3,214	5,883 773 2,596 2,576 3,560	6,057 796 2,661 2,607 3,766	6,078 796 2,669 2,607 3,793	6,090 807 2,673 2,607 3,805
Holmes Jackson Jefferson Lafayette Leon		1,350 7,202 1,103 89 600	2,753 12,737 2,676 290 1,789	3,076 14,837 3,249 398 2,360	3,321 16,226 3,547 493 2,750	3,410 17,355 3,950 564 3,217	3,473 17,842 4,419 605 3,860	3,735 18,079 4,665 619 4,045	3,741 18,164 4,675 619 4,049	3,747 18,285 4,683 697 4,055
Madison	39	557 483 (1) (1) 1,599	1,909 1,886 (¹) 1,171 1,922	2,754 2,825 (1) 1,330 5,306	3,508 3,467 (1) 1,455 5,458	4,231 3,957 149 1,564 5,597	4,925 4,295 160 1,625 6,490	5,220 4,598 173 1,646 6,632	5,300 4,612 178 1,667 6,817	5,340 4,616 181 1,667 7,447

¹ Included in all other counties, to avoid disclosure of individual operations.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON G	INNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
			GEO	RGIA.						
The state	72,352	491,511	1,296,911	1,606,506	1,823,789	2,066,109	2,215,308	2,293,976	2,314,101	2,346,237
Appling Baker Baldwin Banks Bartow	150 851 104 8	1,865 2,925 2,919 443 4,187	4,209 5,343 6,689 4,541 13,550	5,362 6,033 8,097 6,743 16,430	6,051 6,794 8,985 8,216 19,209	6,783 7,189 10,237 9,821 22,163	7,261 7,706 11,159 10,833 23,220	7,825 7,877 11,574 11,342 23,798	7,858 7,935 11,631 11,642 23,870	7,916 7,966 11,643 12,114 24,235
Ben Hill. Berrien. Bibb. Bieckley. Brooks.	496	3,836 4,130 2,022 3,623 6,501	6,291 9,091 5,530 8,092 9,802	7,422 11,927 6,857 9,738 11,218	. 8,222 13,680 7,858 10,727 12,497	9,052 15,443 9,198 12,008 13,317	9,611 17,163 9,788 12,669 14,135	10,201 18,015 10,484 12,863 14,426	10,293 18,176 10,602 12,894 14,507	10,373 18,291 10,690 12,985 14,535
Bryan Bulloch Burko Burts. Calhoun	75 2,009 2,363 7 2,870	952 11,936 14,825 1,683 7,508	1,945 23,530 32,055 7,809 12,520	2,352 29,505 38,263 10,210 13,937	2,795 33,067 41,870 11,795 15,236	3,085 36,142 46,168 12,970 16,655	3,237 39,277 49,320 14,181 17,144	3,343 40,385 51,684 14,613 17,793	3,374 41,347 52,397 14,785 17,799	3,385 41,667 53,687 14,958 17,799
Campbell Carroll Chattahoochee Chattooga Cherokee	(1) .	1,346 3,291 811 1,937 864	7,004 19,354 3,111 7,194 5,894	9,067 25,789 4,059 9,038 7,736	11,007 30,645 4,647 10,628 9,297	12,698 36,126 5,268 12,641 10,942	13,756 38,464 5,987 13,284 11,979	14,230 39,240 6,132 13,456 12,406	14,309 39,517 6,331 13,479 12,487	14,365 39,878 6,336 13,664 12,727
Clarke Clay Clayton Cobb Coffee	(1) 1,320 (1) 943	943 5,103 439 2,065 5,526	5,963 9,173 5,260 9,893 11,112	8,171 10,609 7,104 12,629 13,731	9,624 11,516 8,694 14,773 15,468	11,020 12,419 10,515 17,530 16,860	11,952 13,136 11,527 19,171 18,205	12,568 13,308 12,091 19,784 19,059	12,668 13,320 12,169 19,946 19,269	13,291 13,333 12,459 20,180 19,453
Colquitt. Columbia Coweta Crawford Crisp	2,545 88 (¹) 21 2,400	9,719 3,229 2,340 1,128 10,100	15,877 9,234 14,052 3,126 16,884	17,425 11,491 18,355 4,287 19,456	19,099 12,805 22,268 4,858 21,418	21,518 14,417 26,000 5,406 22,913	21,953 15,484 27,857 5,830 23,724	22, 290 16, 085 29, 364 6, 000 24, 098	22,372 16,133 29,616 6,306 24,175	22,405 16,185 30,500 6,453 24,283
Decatur Dekalb Dodge Dooly Dougherty		5,588 481 12,545 13,726 6,629	10,091 5,212 22,704 26,561 12,403	11,350 7,355 26,361 30,375 12,947	12,292 8,859 28,467 33,019 14,129	13,473 10,593 31,215 35,876 15,360	14, 271 11, 696 33, 087 37, 958 16, 465	14,626 12,109 34,173 38,957 16,908	14,800 12,267 34,360 39,140 17,021	14,854 12,513 34,503 39,365 17,362
Douglas. Early. Effingham. Elbert. Emantel	2,199 27 (1) 897	1,070 7,332 1,188 2,488 9,266	5,415 12,869 2,725 11,590 22,014	7,108 14,962 3,238 15,256 27,341	8,330 16,379 3,456 17,239 30,261	9,565 17,925 3,792 19,769 34,386	10,159 18,949 3,984 21,431 38,121	10,346 19,247 4,221 22,176 39,933	10,406 19,280 4,238 22,391 40,697	10,549 19,386 4,321 22,615 41,298
Fayette Floyd Forsyth Franklin Fuiton	11	474 3,498 146 1,218 58	5,505 11,378 3,970 10,323 949	7,534 14,587 5,778 14,392 1,265	9,457 17,123 7,212 17,457 1,587	11,554 19,911 8,837 20,912 1,875	12,484 21,050 9,769 22,797 2,303	12,964 21,398 10,243 23,965 2,371	13,132 21,570 10,424 24,278 2,524	13,669 21,913 10,719 25,253 2,544
Glascock Gordon. Grady Greene. Gwinnett	(1)	565 2,431 2,760 2,748 1,097	1,994 8,640 4,433 10,105 12,354	2,578 10,293 4,930 12,648 17,371	2,882 12,002 5,197 14,235 21,230	3,272 14,094 5,378 16,231 25,435	3,645 14,732 5,705 17,350 27,925	3,795 14,929 5,970 17,945 28,984	3,817 15,006 6,028 18,031 29,218	3,874 15,144 6,123 18,158 29,878
Hall Hancock Haralson Harris Hart		283 3,784 891 2,211 1,638	5,696 10,892 6,214 11,519 11,170	8,701 13,311 8,193 14,883 15,335	11,053 14,699 9,686 18,032 17,238	13,569 16,721 11,491 21,112 19,911	15,110 17,997 12,132 23,018 20,885	16,057 18,204 12,338 24,269 21,753	16,374 18,254 12,400 24,390 21,943	17,28 2 18,25 9 12,53 4 24,56 6 22,22 4
Heard Henry Houston Irwin Jackson	(1) 326 853 3	1,180 1,668 4,678 5,478 2,146	6, 918 12, 695 12, 946 11, 687 18, 451	8,549 17,108 16,171 14,094 25,323	10,444 20,385 18,044 15,532 31,246	12,045 24,555 19,669 17,619 37,573	13,310 26,048 21,322 18,506 40,098	13,529 27,337 22,297 19,029 42,107	13,709 27,752 22,459 19,332 42,731	13,81 6 28,65 7 22,55 4 19,51 9 44,55 0
Jasper Jeff Davis Jefferson Jenkins Johnson	18 (1) 733 1,286 541	3,498 1,195 7,223 6,784 6,731	13,350 2,674 17,573 13,089 13,389	17, 121 3, 195 21, 047 15, 531 15, 245	19,749 3,544 22,834 16,798 16,440	22,554 3,875 25,177 18,539 18,200	24, 253 4, 174 26, 933 19, 960 19, 112	25,434 4,238 27,821 20,666 19,474	25,883 4,252 27,963 20,981 19,742	26,224 4,284 28,311 21,152 19,810
Jones. Laurens Lee. Lincoln. Lowndes.	099	2,149 14,204 5,473 880 2,611	7,287 31,725 10,913 4,512 6,018	8,964 37,643 13,344 6,022 7,796	10,352 42,376 14,570 7,053 8,996	11,960 46,861 15,589 8,254 10,189	12,882 50,340 16,611 9,411 11,150	13,723 52,277 17,112 9,704 11,866	13,761 52,551 17,302 9,897 12,012	13,806 53,740 17,421 10,002 12,084
Lumpkin. McDuffle, Macon. Madison. Marion.	(1) 460 (1) 54	1,834 4,660 1,790 2,153	5,530 10,761 12,538 5,670	307 6,962 13,115 17,239 6,878	421 7,793 14,595 20,096 7,824	560 8,800 16,293 23,113 8,869	638 9,617 17,358 24,767 9,596	681 9,950 17,771 25,737 9,705	9,976 17,846 25,815 9,705	744 10,074 17,915 26,166 10,175
Meriwether Miller Milton Mitchell Monroe	3 431 4.792	2,751 2,235 431 16,710 3,171	15,946 3,828 3,729 23,957 12,742	20,601 4,673 4,928 27,197 15,863	24,915 5,174 5,872 28,540 18,385	29,084 5,645 7,188 30,607 21,095	31,215 6,020 7,648 31,814 22,677	32,667 6,189 7,861 32,360 24,101	32,822 6,196 7,920 32,447 24,230	32,970 6,292 8,013 32,734 24,506

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
			GEORGI.	A—Continu	ed.					
Montgomery	559 18 (1) 51 14	4, 407 2, 702 587 1, 072 2, 973	8,960 13,507 1,832 4,156 12,661	11,043 17,401 2,557 5,075 16,173	12, 418 20, 540 3, 123 5, 793 18, 586	14,103 23,747 3,392 6,737 21,293	15, 141 25, 328 3, 431 7, 504 22, 995	15,763 26,632 3,454 7,820 23,758	15, 989 26, 810 3, 454 7, 867 23, 890	16,082 27,505 3,475 7,940 24,230
OconeeOglethorpePaulding.Pickens.	(1) (1) (1) (1)	2,057 1,725 1,770 67 874	6,941 11,631 6,952 1,117 2,157	11,757 15,887 8,471 1,703 2,946	13, 455 18, 956 9,600 2, 146 3, 491	15,775 21,680 10,803 2,775 4,109	16,880 24,069 11,530 2,957 4,500	17,394 25,143 11,749 3,063 4,813	17,445 25,674 11,798 3,107 4,907	17,744 26,439 11,926 3,183 4,931
PikePolkPulaskiPutnamQuitman	23 (1) 1,047 29 238	1, 973 2, 487 5, 893 2, 127 1, 428	11,506 9,335 11,101 7,582 3,426	14,925 12,003 12,956 9,926 3,989	17,819 13,933 14,152 10,959 4,416	20, 695 16, 146 15, 545 12, 345 4, 827	21, 873 17, 172 16, 341 13, 541 5, 136	22,887 17,614 16,775 14,157 5,260	22, 994 17, 641 16, 864 14, 411 5, 277	23,204 17,718 16,895 14,419 5,347
RandolphRichmondRockdaleSchleySchrey	3,522 433 82 1,439	11,043 3,384 930 1,292 9,818	19, 332 6, 872 5, 316 3, 700 19, 597	22, 228 8, 002 6, 882 4, 522 23, 577	24, 194 8, 605 8, 136 5, 233 25, 743	26, 475 9, 607 9, 217 6, 031 28, 670	27,745 10,136 9,922 6,707 31,217	28,097 10,477 10,288 6,906 32,776	28, 137 10, 595 10, 388 6, 917 33, 421	28,153 10,765 10,530 6,928 34,351
Spalding Stephens Stewart Sumter		756 169 2,770 11,165 1,207	7,390 2,742 8,649 23,430 5,543	10, 339 3, 999 10, 631 27, 805 6, 919	12, 596 4, 765 12, 195 31, 238 8, 283	14,719 5,895 13,932 34,947 9,685	16, 224 6, 546 15, 184 36, 906 10, 752	17,415 6,903 15,943 38,328 11,361	17, 617 7, 024 16, 057 38, 624 11, 413	18,526 7,267 16,178 39,005 11,443
Taliaferro Tattnall Taylor. Telfair. Terrell.	7 604 150 436 4,463	1, 479 5, 173 3, 051 4, 574 14, 476	5,603 11,073 7,335 9,104 27,086	7,016 13,927 8,955 11,089 30,147	7,972 15,936 10,153 12,550 33,137	9,118 18,295 11,251 13,810 35,903	9,782 19,737 11,968 15,151 37,598	9,969 20,623 12,419 15,416 38,441	9, 981 20, 884 12, 419 16, 012 38, 482	10,013 21,340 12,493 16,350 38,614
Thomas Tift. Toombs. Troup. Turner.	3,144 1,313 363 25 1,530	10, 620 5, 828 3, 104 3, 629 8, 329	16,378 10,953 7,126 13,135 15,144	18, 456 12, 691 8, 582 16, 390 17, 546	19,602 13,853 9,915 19,107 19,115	20,854 15,038 12,216 21,974 20,810	21, 745 15, 828 12, 293 23, 776 21, 608	22, 543 16, 257 13, 132 24, 638 22, 059	22, 600 16, 397 13, 324 24, 941 22, 124	22,634 16,412 13,542 25,052 22,151
Twiggs Upson. Walker Walton		2, 955 1, 329 798 5, 663	7,072 7,518 3,929 24,720	8,548 9,748 5,142 30,902	9,572 11,235 6,486 35,677	10,925 13,236 7,603 40,658	11,978 14,460 7,799 43,105	12,498 15,133 7,846 44,640	12,575 15,195 7,863 45,045	12,592 15,407 7,885 45,801
Ware. Warren. Washington Wayne.	25 12 278 78	247 2, 263 6, 875 1, 081	742 6,945 17,060 2,493	1,027 8,694 20,992 3,252 3,731	1,207 9,540 22,886 3,781 4,232	1,368 10,971 25,574 4,344 4,650	1,490 11,918 27,586 4,767	1,573 12,221 28,538 4,965 5,383	1, 583 12, 275 28, 638 4, 999 5, 409	1,602 12,422 28,832 5,031 5,422
Webster Wheeler Whitfield Wilcox		2,542 722 10,465	4,684 3,168 18,931	5, 691 4, 236 21, 533	6,400 5,306 22,447 19,294	4,650 7,238 6,066 24,987	5, 157 7, 737 6, 160 25, 745	7, 889 6, 205 25, 987 26, 575	8, 024 6, 217 26, 108 26, 770	8,072 6,242 26,776 26,936
Wilkinson. Worth. All other.	(1) 40 2,736 231	2, 554 1, 858 11, 987 291	12,707 4,768 20,472 1,358	16, 933 5, 879 22, 786 4, 848	6,614 24,709 5,440	23, 172 7, 608 26, 473 6, 143	25, 363 8, 274 27, 921 9, 129	8,613 28,462 9,324	20,770 8,694 28,575 9,470	8,764 28,805 10,682
			LOUI	SIANA.						
The state	7,449 490	77, 865 3, 356	164, 034 4, 539	222, 464 5, 500	276,271 6,780	342,383 7,964	391, 454 8, 400	410,614 8,569	420, 384 8, 621	436, 865 8, 668
Acadia	727 216 123 1,191	6, 513 3, 299 4, 097 7, 168	9,971 7,710 8,884 14,651	5, 509 12, 257 10, 344 11, 867 19, 673	13, 876 13, 273 15, 705 24, 832	14,612 16,070 20,216 32,057	14, 737 17, 457 22, 748 35, 777	14,908 17,813 24,156 37,515	15, 023 18, 269 24, 924 39, 728	15,109 18,357 26,682 44,026
Catahoula	212 930 (¹) 248	439 4, 204 6, 548 506 1, 874	1,251 11,341 12,360 2,693 2,825	1,832 14,593 15,977 3,629 3,427	2,643 18,251 19,403 4,868 3,731	4,052 22,716 23,523 6,486 3,814	5,115 25,308 25,714 8,067 3,829	5,424 26,194 26,416 9,609 3,830	5, 448 26, 602 26, 928 9, 991 3, 832	5,471 26,774 27,188 10,273 3,851
Evangeline. Franklin. Jackson Lafayette. La Salle.	692 17 14 423	4,744 1,769 844 4,475 43	6, 154 4, 499 1, 207 6, 533 137	7,687 5,937 2,767 7,903 204	8,901 7,669 3,811 8,954 286	9,589 9,775 4,506 9,926 426	9,810 10,747 4,873 10,626 540	9,930 11,845 5,029 10,794 583	9, 942 11, 993 5, 189 10, 897 611	10,067 12,206 5,275 10,902 621
Lincoln	95 8 719 36	2, 100 77 897 4, 069 880	4,496 819 4,762 9,537 2,921	5, 553 1, 355 6, 207 13, 478 3, 831	6,750 2,143 8,296 17,049 5,078	8, 265 3, 304 11, 502 21, 706 6, 869	8,927 4,677 14,480 24,041 8,650	9,252 5,811 15,934 24,994 9,402	9, 306 6, 201 16, 674 25, 349 9, 707	9,390 6,372 17,608 25,702 9,857
Rapides	125 134 47 107 593	2,091 1,768 2,655 1,731 5,727	5,024 4,416 6,561 3,780 9,231	6, 468 7, 022 8, 258 5, 218 11, 704	7,774 9,312 10,322 6,623 13,025 re of individu	9,605 12,675 12,799 8,234 14,549	10, 148 14, 020 15, 330 8, 986 15, 154	10, 235 14, 747 16, 146 9, 458 15, 406	10, 271 15, 000 16, 437 9, 557 15, 542	10, 283 15, 986 16, 839 9, 676 15, 574

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
		, L	OUISIAN	「 A —Contin	ied.					
Tensas Union Webster West Carroll. All other	(1) 51 46 (1) 205	198 1,414 1,150 694 2,535	1,314 4,389 4,316 2,179 5,534	1,779 5,798 6,250 2,941 12,996	2,263 7,431 8,294 4,089 14,839	4,208 9,268 10,331 5,243 18,093	6,678 10,379 11,799 5,961 28,476	7,729 10,727 12,783 6,080 29,295	8,071 11,007 13,142 6,161 29,901	8,305 11,264 13,432 6,194 34,913
			MISSI	SSIPPI.						
The state	2,052	120, 593	435,690	568,005	734, 988	955,808	1,084,680	1, 142, 921	1, 176, 539	1,251,841
Alcorn Attala Benton Bolivar Calhoun	(1) 29 37 12	436 1,500 327 7,109 995	3,831 4,703 2,792 29,044 4,944	5, 336 5, 886 3, 921 38, 897 6, 448	7, 159 7, 498 5, 329 53, 485 8, 511	9, 353 9, 497 7, 172 73, 343 11, 300	9, 825 10, 200 8, 273 84, 937 12, 455	9,948 10,451 8,478 91,358 12,715	10,030 10,552 8,515 96,932 12,842	10, 170 10, 710 8, 535 112, 755 13, 026
Carroll Chickasaw Chodaw Cladborne Clarko	11 71 16 (1) 28	1,567 2,923 945 717 209	6,405 9,886 2,961 1,956 544	7,760 11,937 3,540 2,435 759	9,778 14,970 4,479 2,909 1,061	13.176 18,813 5,396 3,719 1,364	15,285 19,963 5,647 4,117 1,561	15,631 20,369 5,714 4,182 1,615	16,045 20,416 5,743 4,186 1,624	16,154 20,492 5,792 4,186 1,654
Clay	(1) 168 (1) 14 (1) (1)	2,549 2,332 340 556 1,207	7,721 17,332 1,028 1,221 9,274	9,147 24,955 1,341 1,521 12,464	11, 290 33, 551 1, 686 1, 715 16, 712	13,724 46,914 2,179 1,884 21,661	14,505 56,655 2,406 1,990 25,268	14,634 64,330 2,456 2,099 27,091	14,659 68,270 2,521 2,126 27,530	14,695 80,105 2,540 2,166 28,889
Grenada. Hinds Holmes. Issaquena. Itawumba	11 31 32	892 4,002 6,022 (1) 898	4,765 10,099 16,099 84 4,593	6,110 11,932 19,207 451 6,656	8,001 14,360 22,613 892 8,372	10,960 17,371 28,313 2,276 10,093	13, 042 18, 323 32, 406 3, 991 10, 817	13, 433 18, 503 33, 765 5, 025 10, 940	13,602 18,632 34,675 5,351 10,979	13,706 18,641 35,789 5,858 11,014
Jasper Jefferson Jefferson Davis Jones Kemper	(1) 35 72 45	313 193 956 966 1,790	900 821 2,033 1,901 5,443	1,224 1,184 2,396 2,435 6,965	1,791 1,679 2,807 2,809 9,103	2,208 2,296 3,206 3,180 11,463	2,490 2,761 3,445 3,319 12,086	2,596 2,882 3,495 3,421 12,282	2,627 2,970 3,553 3,463 12,384	2, 640 2, 986 3, 561 3, 540 12, 547
Lafayette. Lauderdale Lawrence Lenke Lenke	(1) 37 28 32 40	799 1,014 923 940 5,193	4,842 2,686 1,826 2,492 15,816	6,594 3,410 2,218 3,090 18,848	9, 120 4, 487 2, 559 3, 947 22, 983	12,528 5,607 2,896 5,066 27,711	13, 929 6, 304 3, 062 5, 422 28, 834	14, 164 6, 548 3, 155 5, 644 29, 253	14,421 6,739 3,176 5,741 29,300	14,537 7,035 3,179 5,835 29,426
Leflore. Lowndes. Madison Marshall Monroe.	(1) 169 60	7,007 3,311 4,172 664 5,089	21, 497 10, 279 9, 570 7, 407 16, 195	28, 292 13, 602 11, 190 10, 280 19, 817	36, 381 15, 589 13, 533 14, 477 23, 685	47, 380 21, 156 15, 653 19, 174 28, 838	56,849 23,565 16,108 21,864 30,205	61, 752 23, 847 16, 168 22, 497 30, 528	64,099 23,955 16,168 22,569 30,630	71,631 24,069 16,234 22,912 30,829
Montgomery Neshoba Newton Noxubee Oktibbeha	16 17 15 215 115	1,414 672 184 3,917 2,202	4,878 2,141 565 10,705 6,951	5,763 2,809 896 13,466 8,241	7,179 3,608 1,345 17,192 10,099	9,743 5,036 1,930 21,277 12,407	10,727 5,533 2,216 23,478 13,045	10, 925 5, 723 2, 311 23, 954 13, 215	10, 951 6, 076 2, 466 24, 107 13, 258	11,070 6,165 2,526 24,503 13,312
Panola. Pike. Pontotoc. Prentiss. Quitman	(1) 69 8 6	2,523 1,017 1,759 1,386 534	12,889 2,015 7,628 6,480 4,977	16, 693 2, 845 9, 634 8, 211 6, 713	22, 437 3, 280 12, 537 10, 557 10, 150	29, 327 3, 703 15, 560 13, 128 13, 655	34,013 4,022 16,528 13,919 16,661	34, 964 4, 046 16, 675 14, 209 17, 956	35, 244 4, 176 16, 758 14, 281 18, 571	35, 360 4, 182 16, 812 14, 440 19, 881
Rankin Sharkey Simpson Smith Suith	(1) (1) 22 31 74	212 206 782 721 10, 149	680 2,305 1,751 1,506 28,330	951 4,558 2,214 2,016 36,525	1.362 6,525 2.607 2,331 48,727	1,867 10,408 3,077 2,582 62,294	2,014 13,734 3,282 2,747 71,676	2,057 15,869 3,344 2,795 76,098	2,059 17,372 3,351 2,812 79,900	2,073 20,178 3,362 2,827 89,770
Tallahatchie. Tate. Tippah Tishomingo. Tunica	(1) (1)	3, 063 1, 466 584 604 712	13,999 7,790 4,335 3,579 8,118	18, 734 10, 187 5, 645 4, 690 11, 362	24, 995 13, 491 7, 470 6, 168 16, 496	34, 310 17, 340 9, 672 7, 563 22, 531	40, 762 19, 550 10, 245 7, 939 26, 332	43,906 20,402 10,465 8,061 29,386	45, 815 20, 642 10, 514 8, 116 30, 421	49,176 20,800 10,684 8,191 35,338
Union Warren. Washington Wayne Webster	(1) (1) 127 25 13	1,207 506 7,130 448 1,349	5,792 1,825 23,296 1,098 5,248	7, 382 2, 469 32, 141 1, 445 6, 376	9,579 3,205 42,076 1,756 8,275	12, 189 4, 129 56, 540 1, 959 10, 427	12, 946 5, 883 66, 477 2, 051 11, 101	13, 087 6, 807 73, 427 2, 103 11, 259	13, 147 7, 251 78, 775 2, 114 11, 285	13,238 7,602 87,412 2,217 11,342
Winston Yalobusha. Yazoo. All other	3 10 30 102	831 1,525 3,328 1,306	3,412 6,871 9,714 3,822	4,350 8,848 12,651 7,942	5,699 11,476 16,144 8,901	7,348 15,631 22,976 10,271	7, 989 17, 774 26, 823 13, 304	8,136 18,131 28,968 13,673	8,200 18,236 29,649 13,958	8,346 18,394 30,469 14,333

¹ Included in all other counties, to avoid disclosure of individual operations.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
	<u> </u>		MISS	OURI.		1				
The state	4	5,114	22,626	29,152	39, 803	52,553	59, 376	61, 623	62,467	63, 761
Dunklin New Madrid Oregon Pemiscot Stoddard All other	(1)	2,280 857 (1) 1,490 426	10,702 3,571 50 5,768 1,840	13,679 4,628 104 7,549 2,167 1,025	18,642 6,046 166 10,510 2,991 1,448	24,957 7,885 223 13,885 3,677 1,926	28, 518 8, 757 307 15, 309 3, 901 2, 584	29,674 8,979 321 15,922 3,987 2,740	29,983 9,105 329 16,246 3,992 2,812	30,458 9,294 338 16,575 4,034 3,062
All other	. 4	61	695			1,820	2,004	2,730	2,012	3,002
			TORTH (000 000	MOG FOG	, AEO 600	H00 01H	
The state	177	49,952	252, 193 526	384,260	493,360 1,492	1,978	708,598 2,230	2,392 24,018	783, 817 2, 423	837, 995 2, 591
Anson Beaufort Bertie Bladen .	01	3,655 303 56 478	. 11,594 1,642 1,255 2,132	15,644 3,295 2,990 3,380	18,488 4,466 4,692 4,714	21,307 6,045 6,994 6,087	23,067 7,477 9,453 6,879	24,018 8,272 10,698 7,450	24,259 8,644 11,607 7,673	25,515 9,551 13,373 7,958
Cabarrus		1,120 55 182 152 123	4,996 976 4,073 2,694 1,139	7,229 1,855 6,007 4,200 1,869	9,211 2,945 7,397 5,661 2,617	10,708 3,551 8,911 7,083 3,222	11,591 3,652 9,518 7,943 3,788	11,936 3,811 9,845 8,350 4,407	12, 235 3, 875 9, 934 8, 505 4, 523	12,676 4,040 10,137 8,803 4,888
Cleveland		627 463 140 2,400 5	9,544 2,434 909 7,649 559	13,856 3,924 1,994 10,528 1,019	16,374 5,303 2,716 13,201 1,625	19,727 7,221 3,748 16,159 2,232	21, 452 8, 129 4, 481 17, 491 2, 523	22,422 8,667 4,987 18,262 2,736	22, 721 8, 903 5, 307 18, 689 2, 771	23, 482 9, 114 5, 395 19, 155 2, 985
Davie. Duplin. Durham. Edgecombe. Franklin.		799 45 896 479	261 2,931 375 5,864 4,136	725 4,409 584 9,596 7,052	1, 158 5, 948 773. 12, 435 8, 877	1,814 8,041 1,035 17,142 11,433	2,153 9,306 1,259 20,541 12,721	2,411 10,010 1,291 23,118 13,529	2,461 10,192 1,383 24,526 14,129	2,649 10,645 1,484 29,676 15,536
Gaston		516 75 70 661 2,499	5,415 1,301 902 5,930 7,545	7,809 2,062 2,154 10,851 10,380	9,280 2,589 3,199 15,874 13,047	10,976 3,751 4,823 20,942 15,967	12,178 4,384 6,189 24,694 17,677	12,910 4,604 6,862 26,866 18,403	13, 206 4, 889 7, 542 28, 032 18, 918	13,706 5,207 8,008 32,110 19,463
Hertford	(1)	36 2,120 214 4,251 223	536 6,454 4,763 13,507 1,033	1,124 8,791 7,581 19,285 1,860	1,683 10,445 9,674 23,694 2,631	2,452 12,413 12,016 30,365 3,755	3, 485 13, 343 13, 233 34, 593 4, 528	4,214 13,872 14,007 36,716 4,838	4,435 14,145 14,222 37,674 4,904	5,039 14,490 15,108 38,751 5,068
LeeLenoir.Lincoln Martin Mecklenburg		419 737 241 150 972	2,502 2,501 3,668 1,378 10,932	3,513 4,027 5,437 2,524 16,876	4,310 5,503 6,364 3,624 21,181	5,372 7,538 7,183 5,130 25,083	5,904 8,985 7,986 6,832 27,458	6,330 9,660 8,144 8,050 29,183	6,482 10,062 8,258 8,405 29,589	6, 787 10, 616 8, 522 9, 745 31, 164
Montgomery		217 138 364 283 125	1,601 1,274 5,443 3,615 653	2,532 1,940 9,642 6,022 1,045	3, 264 2, 625 13, 811 8, 245 1, 718	4,088 3,276 18,717 10,629 2,689	4,651 3,632 22,780 12,756 3,431	4,908 3,765 25,212 14,038 3,855	5,060 3,870 26,509 14,596 3,988	5,237 4,017 29,860 16,171 4,437
Orange. Pamlico. Pasquotank. Perquimans.		12 149 48 (1) 465	484 913 1,040 1,921 3,049	752 1,648 1,972 2,914 5,724	1,026 2,257 2,703 4,236 8,558	1,295 3,109 3,755 5,395 12,642	1,523 3,802 4,497 6,501 16,194	1,602 4,191 4,951 6,985 18,423	1,656 4,373 5,180 7,014 19,500	1,738 4,682 5,313 7,308 21,656
Polk. Richmond	29	1,847 6,475 343	538 6,207 20,124 3,846	982 8,536 28,823 5,653	1,247 10,265 35,993 7,081	1,537 12,009 43,431 8,552	1,675 13,028 47,283 9,320	1,719 13,424 50,325 9,687	1,740 13,648 51,773 9,862	1,767 13,931 54,039 10,278
Rutherford Sampson Scotland Stanly	(1)	246 2,387 4,305 191	4,095 7,163 12,304 2,767	6,043 9,810 16,545 4,136	7,067 11,951 19,435 5,292	8,745 15,985 23,464 6,551	9,517 17,582 24,884 7,555	9,896 19,168 26,243 8,062	10, 024 20, 204 26, 608 8, 214	10,253 21,510 27,649 8,488
Union Vance Wake Warren.		1,231 68 2,590 200	11,771 972 11,143 2,773	17, 247 1, 726 15, 382 5, 183	21,318 2,714 18,878 7,386	24,848 3,507 23,011 9,237	27, 164 3, 949 25, 392 10, 112	28,617 4,203 26,720 10,730	29,181 4,290 27,343 11,051	31,409 4,375 28,530 11,653
Washington Wayne Wilson All other	(1)	48 2,355 456 247	626 8,046 4,358 1,312	1,204 12,267 7,422 3,608	1,581 16,118 10,623 4,777	2,379 20,577 14,953 5,784	3,047 23,916 18,024 9,260	3,432 26,341 19,929 10,103	3,564 27,465 21,296 10,285	3,741 29,965 23,557 12,994

¹ Included in all other counties, to avoid disclosure of individual operations.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
·			OKLA	HOMA.					•	
The state	5, 106	148, 979	391, 258	536, 303	666, 736	764, 295	789,782	804, 313	825,069	842, 499
Adair Atoka Beckham Bryan Caddo	84 10 247 64	1,786 1,786 1,202 5,716 3,634	426 4, 761 5, 163 15, 166 11, 361	560 6, 661 8, 158 22, 684 15, 548	758 8,679 9,845 30,164 18,527	789 9, 636 11, 539 35, 395 21, 036	819 9,923 11,658 37,127 21,479	822 10,068 11,979 37,507 21,699	822 10,161 12,644 37,786 22,276	822 10, 189 13, 080 39, 032 22, 987
Canadian Carter Cherokee Choctaw Cloyeland	85 (1) 202 46	95 5,358 849 3,299 1,973	613 10, 943 2, 532 9, 657 6, 127	850 14,712 3,576 12,890 8,431	1,083 17,937 4,698 16,910 10,200	1,224 20,024 5,063 19,221 11,361	1,259 20,317 5,240 19,595 11,638	1,345 20,465 5,354 19,827 11,800	1,375 20,951 5,396 20,165 12,097	1,405 21,330 5,566 20,447 12,264
Coal	113 12 12 96	1,421 2,347 1,533 3,254 84	3, 490 6, 853 4, 448 8, 581 496	4,744 10,044 6,649 11,048 894	6,239 12,083 8,404 13,370 1,150	6, 685 13, 804 9, 923 16, 155 1, 415	6,778 14,219 10,127 17,692 1,471	6,839 14,313 10,220 18,484 1,534	6,873 14,584 10,624 18,802 1,623	6,915 15,096 11,071 19,087 1,675
Dewey. Garvin Grady Greer Harmon	353 12 10 5	(1) 6,072 2,071 1,115 1,025	131 14, 350 6, 646 4, 193 3, 397	179 19, 744 9, 152 7, 041 5, 265	220 23, 127 10, 920 8, 708 6, 240	270 26, 058 13, 475 10, 153 7, 171	284 26, 602 13, 662 10, 789 7, 309	284 26, 867 13, 886 10, 939 7, 449	293 27, 423 14, 394 11, 606 7, 607	301 27,900 14,584 12,182 8,078
Haskell Hughes Jackson Jefferson Johnston	150 533 19 67 240	2,511 6,635 1,511 3,290 4,907	6, 930 15, 939 3, 931 6, 898 10, 710	9,072 20,850 6,077 10,155 14,873	12, 106 26, 661 7, 288 11, 900 18, 640	14,036 29,720 8,830 13,154 20,488	14,361 30,893 8,927 13,501 21,623	14,643 31,456 9,144 13,576 21,836	14,970 32,116 9,811 13,720 22,475	15, 151 32, 391 10, 136 13, 724 22, 645
Kingfisher Kiowa Latimer Le Flore. Lincoln.	26 7 128 181	242 2, 652 332 3, 498 6, 211	1, 234 7, 609 1, 105 10, 540 16, 249	1,643 11,240 1,420 13,700 21,117	1,966 13,255 1,861 18,002 25,836	2,252 15,751 2,065 20,554 30,328	2,417 16,009 2,102 21,161 31,664	2,449 $16,161$ $2,129$ $21,488$ $32,524$	2,477 17,102 2,132 21,933 33,849	2,523 17,747 2,143 . 22,381 35,316
Logan Love McClain McCurtain McIntosh	(1) 69 44 138	2,387 2,893 1,745 2,341 3,948	7, 012 6, 884 6, 028 5, 770 10, 027	9,396 9,680 8,406 8,041 13,302	11, 175 11, 643 10, 496 10, 083 16, 915	13,154 13,364 11,706 11,433 19,962	13, 577 13, 688 12, 044 11, 748 20, 768	13,997 13,811 12,149 11,861 21,210	14, 106 14, 219 12, 386 12, 090 21, 641	14, 417 14, 484 12, 420 12, 183 21, 970
Marshall Mayes Murray Muskogee Okfuskee	126 169 240	2,840 233 2,150 4,890 5,545	6, 434 1, 320 4, 223 12, 577 12, 092	9, 514 1, 516 5, 746 16, 320 15, 294	12, 071 1, 904 6, 745 20, 263 19, 087	14,176 2,006 7,454 23,594 21,592	14, 610 2, 079 7, 590 24, 050 22, 348	14, 898 2, 211 7, 882 24, 472 22, 898	15, 515 2, 249 8, 098 24, 713 23, 313	15,816 2,264 8,310 25,220 23,502
Oklahoma. Okmulgee. Osage Pawnee Payne.	40 37 (1)	1, 564 1, 549 371 518 2, 180	4,800 4,253 1,549 2,121 6,455	6, 515 5, 720 2, 051 3, 012 8, 343	7, 800 7, 096 2, 510 3, 863 10, 159	9,220 8,228 2,974 4,760 11,825	9, 537 8, 590 3, 073 5, 079 12, 223	9, 801 8, 811 3, 246 5, 197 12, 818	10, 244 8, 905 3, 277 5, 379 13, 200	10,735 9,004 3,379 5,747 13,528
Pittsburg	119 316 405 45	3,690 5,379 5,880 884	11, 407 11, 968 14, 890 2, 771	15,311 15,897 19,434 4,095	20, 188 19, 760 24, 480 5, 395	23, 162 22, 465 27, 588 5, 956	23, 843 23, 189 28, 867 6, 051	24, 245 23, 487 29, 402 6, 144	24,735 23,960 30,404 6,183	25,002 24,497 31,298 6,198
Seminole. Sequoyah Stephens Tiliman	267 133 (1)	4,033 4,877 4,994 2,706	9, 394 12, 040 11, 567 6, 692	12, 333 15, 612 15, 585 9, 962	15, 761 20, 306 18, 517 12, 099	17, 671 23, 944 20, 203 14, 207	18, 170 24, 848 20, 597 14, 638	18, 669 25, 599 20, 813 14, 889	19,043 26,066 21,343 15,607	19,067 26,568 21,480 16,043
Tulsa. Wagoner Washita. All other.	$ \begin{array}{c} 35 \\ (^{1}) \\ 14 \\ 119 \end{array} $	1,091 2,894 2,227 440	2,865 6,719 7,680 1,241	3,577 8,649 11,129 2,886	4,608 10,233 13,661 3,141	5,030 11,804 15,550 3,692	5, 362 12, 247 16, 015 4, 305	5, 482 12, 670 16, 112 4, 452	5, 624 13, 075 16, 813 4, 785	5,722 13,204 17,346 4,927
			OUTH C	AROLIN	·A.					
The state	7, 264	193, 318	619, 720	846, 468	995, 398	1, 160, 725	1, 276, 428	1,342,737	1, 368, 774	1, 418, 704
Abbeville. Aiken Anderson. Bamberg Barnwell	(2) 528 4 757 1,367	2, 639 10, 716 4, 408 7, 509 13, 785	13, 526 26, 516 30, 755 16, 064 31, 329	19, 493 33, 676 43, 804 20, 065 39, 222	22, 968 37, 798 51, 958 22, 049 44, 216	27, 103 42, 032 60, 807 24, 002 49, 811	30, 833 44, 622 66, 452 25, 776 53, 506	32,791 46,391 69,618 26,916 55,445	33,308 47,206 70,588 27,367 56,554	34, 306 48, 066 73, 541 27, 641 58, 880
Beaufort. Berkeley. Calhoun Charleston. Cherokee	14 17 480 (2)	899 1,853 5,956 1,019 577	3, 183 5, 388 13, 419 4, 366 6, 754	4,261 7,923 16,969 6,660 10,577	5, 169 9, 677 19, 356 8, 802 12, 761	6, 218 11, 682 23, 044 11, 217 15, 145	6, 949 12, 815 24, 840 13, 637 16, 636	7,379 13,243 26,240 14,908 17,412	7,732 13,356 27,031 15,700 17,631	8, 165 13, 500 27, 800 15, 880 18, 072
Chester Chesterfield. Clarendon. Colleton. Darlington	96 54 537 113 (2)	3, 589 4, 577 9, 324 3, 957 4, 394	14, 273 16, 784 20, 495 9, 443 14, 887	19,728 20,047 26,675 12,994 20,785	23, 094 22, 388 31, 154 14, 344 25, 939	26, 965 24, 826 35, 009 16, 935 31, 072	29,864 27,025 38,371 18,108 34,325	31,843 29,086 39,566 18,793 36,581	32,022 29,822 40,013 19,230 37,440	32,275 33,076 40,268 19,732 38,456

 $^{^{\}mbox{\tiny 1}}$ Included in all other counties, to avoid disclosure of individual operations.

² Not shown separately, to avoid disclosure of individual operations.

Table 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
•		sou	TH CAR	OLINA-C	ontinued.					
Dillon	214	6,294 3,726	15, 028 8, 533 16, 524	20, 167 11, 110	24, 209 12, 859	29, 975 14, 772	32,891 15,922	35, 114 16, 477	36,062 16,607	38, 21 16, 66
Dorchester Edgefield Fairfield	40	4,877	16, 524 11, 304	21,372 15,411	24, 597 18, 044	29, 973 14, 772 27, 972 20, 741 37, 427	30,819 23,690	$32,140 \mid 25,212 \mid$	32, 476 25, 826	33,23 26,34
Florence		2,456 7,310	20,,338	26, 764 1, 873	31,578	37,427	41,084 3,462	42,854 3,641	43, 480 3, 732	44, 28 3, 86
Georgetown	13	$^{402}_{1,173}_{3,027}$	1,283 15,297 12,749	23, 803 17, 867	, 2,411 29,286 21,395	34,600 25,630	38,717 28,855	40,969 31,207	3,732 41,710 31,698	44,72 33,81
reenwood Jampton Jorry	302	5,841 620	11,456 2,655	13, 885 4, 276	21, 395 15, 331 5, 778	16, 937 7, 736	18,097 9,042	19, 027 9, 738	19, 443 10, 022	19, 91 10, 39
	1	1,234 3,872	3,336 12,314	4,381 16,410	4,859 19,411	5,599 22,933	5,999 24,858	6,095 26,398	6,143 26,861 24,188	6,19 27,67
asper Cershaw .ancaster .aurens	(1)	$1,479 \\ 3,097$	3,336 12,314 8,627 18,095	14, 241 26, 605	16, 985 31, 557	19,571 36,642 32,216	21, 915 40, 213 34, 968	23,566 42,891 36,039	24, 188 43, 273 37, 498	25, 64 45, 38 38, 88
.ee		7,942 4,494	17,980 12,139	23,921 16,570	27, 789 19, 486	22, 172	24.322	25 181	25, 509	1
Lexington Marion Marihoro	67 90	3,796 7,249	12,139 8,005 21,046	10, 234 29, 723	13,160 35,770	15,673 44,029 32,299	16,855 47,940	17,351 50,829 38,059	17,698 52,410 38,904	26,09 17,89 56,58
Mariboro Newberry Oconee	(1)	3,719 583	16,516 7,344	22, 899 10, 901	27, 614 13, 662	32,299 16,369	35, 798 18, 292	38,059 19,574	38, 904 19, 794	40, 61 20, 90
Orangeburg	1,176	18,576 196	41,265 5,974	52, 449 9, 298	59, 555 11, 930	67,336 14,626 19,458	73, 370 16, 418	76,366 17,518	77, 811 17, 935	80, 60 19, 51
Orangeburg Pickens Richland Saluda Spartanburg	367	4,594 2,516	41, 265 5, 974 11, 206 11, 777 26, 861	14,704 15,923 41,051	16, 982 18, 612 49, 539	19, 458 21, 566 58, 473	21, 553 23, 691 65, 044	17,518 22,128 24,739 68,502	17, 935 22, 336 25, 072 69, 889	22, 67 26, 08 73, 39
		2,504 9,226	1	26,399	30,668	35, 240	38, 423	39, 971	40, 533 20, 303	
Sumter Julon Williamsburg York	24	707 4,234 2,372	20,121 7,840 10,508	11,441 15,270 24,641	13,818 17,882 28,958	16, 819 21, 484 33, 482	19, 117 24, 148 37, 166	20, 276 25, 327 39, 336	20, 393 26, 491 39, 980	41, 15 20, 72 26, 57 40, 99
(Ork	10	2,312	16,417	24,041	20, 500	00, 402	07,100	00,000	- 00,000	10,00
• • • • • • • • • • • • • • • • • • •			TENN	ESSEE.					, ,	,
The state	9	18, 359	131,933	174, 379	233, 663	304, 467	340, 685	354,324	358, 275	366, 78
Carroll	1 (2)	428 303 983	4,192 1,801 5,835	5,820 2,278 7,545	8,128 3,447 10,165	10,774 $4,394$ $13,469$	$11,621 \\ 4,541 \\ 14,721$	11, 910 4, 612 15, 273	11, 983 4, 632 15, 313 25, 285	12,18 4,65 15,43
Drockett	(2)	1,311 945	9,386 9,290	11,882 11,995	16, 448 16, 416	22, 089 21, 265	24, 378 25, 115	25, 184 26, 327	25, 285 26, 875	25,65 27,58
***	i i	1,017 156	9,700	13, 421	17,690 4,012	23,000 5,574	25,532 6,051	27, 216 6, 216	27, 332 6, 274	28, 19 6, 29
HDS0n Niles Hardeman Hardin Harden	(2)	576 481	1,775 5,499 2,776	2,772 7,435 3,618	9,689 4,319	13,322 5,404	14,605 5,628	14, 954 5, 734 22, 561	15, 035 5, 783	15, 11 5, 87
Taywood	(2)	1,240 338	8,417 3,486	10,506 4,999	14,417	19,045	21,650		22,664	23,04 8,83
ake	(2)	1,512 1,701	6,559 10,205	7,404	6,375 9,985 17,015	7, 886 13, 125 22, 525	8,454 14,643 24,664	8, 645 14, 941 25, 782	8, 719 15, 426 25, 917	15,83 26,34
Henderson .ake .auderdale .augence .incoln		23 341	632 2,355	12, 283 906 2, 984	1,272 3,799	1,569 4,514	1,610 4,850	1, 639 4, 890	1,640 4,898	1,64 4,91
MeNairy	(2)	390 1,009	3,585 6,158	5,110 8,461	6,880 11,220	8,656 15,007	9,265 16,585	9, 408 17, 247	9,613 17,291	9,72 17,65
natison Dbion Rutherford Shelby	(2)	454 370	2,771 3,161	3,440 4,635	4,357 5,618	5,371 6,790	5,738 7,304	6,274	6,703 7,738	6,70 7,99
Ninton	ţ	2,277 2,369	18,120 11,937	22,944 14,349	31,631 19,306	41,637 24,903	47, 935 27, 561	50, 864 28, 582	51, 832 28, 755	53,81
Wayne Weakley All other		(2) (2)	276 1,768	504 2,561	620 3,450	774 4, 126	806 4,670	818 4,691	818 4,827	$\begin{array}{c} 82 \\ 5,20 \end{array}$
All other		135	2, 249	6,527	7,404	9, 248	12,758	12,818	12, 922	14, 21
		•	TE	XAS.						
The state		1,727,639	2, 451, 279	2,950,444	3, 313, 443	3, 572, 105	3, 627, 190	3, 664, 496	3,715,418	3,773,02
Anderson	302	9,132 2,038	15, 023 4, 287 2, 403	18,047 5,422	20,931 6,202	22, 858 6, 698	23, 436 6, 946	23, 654 7, 067	23,898 7,195	24,20 7,35 4,24
Archer Atascosa Austin	4, 743	1,657 7,709 20,115	9,384 23,170	3,084 10,115 24,667	3,485 10,453 25,667	3, 831 10, 625 26, 735	4, 015 10, 670 26, 858	4, 068 10, 706 27, 069	4, 204 10, 717 27, 215	4,24 10,71 27,40
Bandera	91	1,040	1,583	1,918	2.165	2,213	2, 215	2, 215	2,240	2,24
BastropBaylorBaylorBaylorBaylorBaylorBaylorBaylorBaylor.	64	23, 656 2, 365 5, 776	29, 561 3, 837 6, 820	32,334 5,319 7,218	33,793 6,209 7,466	34, 475 7, 182 7, 581	34, 522 7, 357	34, 777 7, 617	35,249 7,993 7,608	35, 72 8, 05 7, 61
Bell	15,922	41, 227	53, 124	61,848	65,071	7,581 66,235	7, 582 66, 443	7, 604 66, 554	67, 246	68, 52
Bexar	406	18, 692 2, 569 8, 902	22, 302 3, 639 13, 083	24, 233 4, 400 16, 437	25,135 4,804 18,150	25,527 4,974	25, 595 4, 998	25, 695 5, 021	25, 725 5, 074	25, 79 5, 10
Bowie	536	5, 698	14, 260	17, 975	18,150 22,207	19,271 $25,918$	19, 419 26, 622	19, 692 27, 050	20, 094 27, 400 7, 781	20,37 27,71

¹ Not shown separately, to avoid disclosure of individual operations.

 $^{^{\}rm 2}$ Included in all other counties, to avoid disclosure of individual operations.

					COTTON GI	NNED TO-				Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
			TEXAS	Continued	•		:			
Brazos Brown Burleson Burnet Caldwell	10,511	18, 450	22, 256	24, 512	25, 927	26,662	26, 736	26, 787	26, 831	26, 831
	1,245	8, 616	11, 654	13, 673	14, 178	14,553	14, 604	14, 696	14, 712	14, 719
	9,773	19, 233	24, 049	27, 025	28, 495	29,317	29, 355	29, 752	29, 957	30, 046
	1,522	6, 430	8, 965	11, 044	11, 637	11,953	12, 010	12, 120	12, 285	12, 388
	19,993	37, 863	48, 190	53, 322	56, 008	57,084	57, 187	57, 477	58, 011	58, 405
Callahan Camp Cass Cherokee Childress	94	4, 121	6, 821	8,582	9,313	10,043	10,109	10, 256	10, 326	10,384
	280	2, 873	6, 468	8,066	9,757	11,455	11,905	12, 102	12, 202	12,252
	235	4, 417	12, 922	16,454	19,806	23,214	23,949	24, 270	24, 416	24,549
	1,666	8, 024	14, 373	17,132	19,438	21,333	22,002	22, 454	22, 591	22,618
	17	1, 249	3, 259	4,684	5,698	6,451	6,634	6, 824	7, 045	7,156
Clay. Coke. Coleman Collin Collingsworth.	162	4,184	7,312	9,984	11,638	12,619	12,736	12,830	12, 983	13,022
	198	1,898	3,231	3,910	4,357	4,443	4,615	4,625	4, 637	4,726
	1,905	13,723	18,974	22,137	22,957	23,877	23,981	24,062	24, 113	24,191
	1,268	14,860	30,175	45,978	59,020	70,310	70,975	71,786	74, 346	76,714
	(¹)	874	3,152	4,856	5,817	6,725	6,953	7,108	7, 389	7,504
Colorado	9,848	14,474	16, 812	17, 594	18, 116	18, 525	18,583	18, 616	18,784	19, 010
Comal	4,075	9,566	13, 257	15, 195	15, 979	16, 231	16,257	16, 336	16,500	16, 581
Comanche	481	8,388	13, 392	17, 063	19, 181	20, 390	20,813	21, 370	21,633	21, 748
Concho	267	2,746	4, 118	4, 959	5, 256	5, 490	5,496	5, 568	5,568	5, 568
Cooke	153	5,092	9, 810	14, 495	17, 033	19, 470	19,752	20, 020	20,472	20, 792
Correll Cottle Dallas Delta Denton.	3,262	13,807	19, 174	22,967	24, 119	24, 674	24,803	24, 871	25, 082	25, 271
	(¹)	1,024	2, 333	3,336	4, 045	4, 571	4,657	4, 794	4, 927	5, 112
	3,694	19,003	31, 035	40,455	48, 392	54, 458	55,066	55, 530	56, 229	56, 697
	581	6,169	12, 450	17,592	23, 987	28, 688	29,163	29, 471	30, 200	31, 714
	691	9,309	16, 785	24,199	29, 289	33, 604	34,482	35, 233	36, 430	36, 805
Dewitt Dickens Donley Donley Duval Eastland	24,410	39, 436	46, 393	50, 238	51, 805	52, 527	52, 528	52, 663	52,897	53,008
	(1)	667	1, 601	2, 252	2, 711	3, 061	3, 196	3, 319	3,472	3,489
	(1)	592	1, 777	2, 479	2, 940	3, 350	3, 457	3, 540	3,716	3,819
	1,770	2, 470	2, 761	2, 824	2, 984	3, 277	3, 342	3, 362	3,365	3,365
	153	8, 546	16, 264	20, 966	23, 498	26, 072	26, 483	26, 981	27,361	27,531
Ellis.	15,223	50, 572	71, 680	93,676	107,546	116, 224	117, 951	118, 551	119,850	120, 419
Erath	381	7, 987	12, 818	16,429	17,994	19, 410	19, 740	20, 017	20,197	20, 354
Falls.	18,091	38, 237	47, 965	54,907	58,098	59, 872	60, 463	60, 806	61,290	62, 315
Fannin	682	9, 266	18, 545	30,300	44,744	54, 942	56, 561	57, 441	60,836	65, 036
Fayotte.	24,802	36, 041	39, 796	41,528	42,340	42, 340	42, 918	43, 303	43,373	43, 810
Fisher. Foard Fort Bend Franklin Freestone	562	5,298	8, 169	10, 482	11, 889	12,963	13, 144	13, 454	13, 720	13, 848
	(1)	701	1, 505	2, 093	2, 493	2,756	2, 791	2, 836	2, 943	2, 956
	8,414	17,756	23, 488	27, 221	30, 127	32,740	32, 956	33, 047	33, 245	33, 775
	133	2,190	5, 400	6, 854	8, 629	10,420	10, 702	10, 831	10, 880	11, 031
	5,494	13,107	17, 255	19, 971	22, 422	24,061	24, 348	24, 385	24, 614	24, 762
Frio.		11, 440	13, 718	14,680	15, 120	15,341	15,371	15, 373	15, 385	15, 417
Giliespie		5, 493	8, 937	11,260	12, 636	13,029	13,140	13, 295	13, 385	13, 468
Goliad		10, 529	12, 471	12,560	14, 004	14,020	14,282	14, 282	14, 282	14, 401
Gonzales		29, 676	38, 363	43,820	46, 744	47,563	48,613	49, 517	49, 833	49, 908
Grayson		7, 910	20, 751	32,287	41, 618	48,622	50,066	50, 811	52, 558	54, 118
Gregg Grimus Guadalupe Hall Hamilton	9,714 17,282 19 799	2, 649 17, 880 32, 805 2, 115 7, 268	5, 187 21, 838 43, 064 5, 579 10, 409	6, 496 23, 949 48, 504 8, 483 12, 587	7, 806 25, 366 51, 039 10, 333 13, 132	8, 799 26, 477 51, 783 12, 478 13, 873	8, 988 26, 660 52, 866 12, 832 13, 967	9, 107 26, 717 53, 142 13, 210 14, 129	9, 150 26, 764 53, 592 14, 159 14, 268	9,176 27,063 54,922 14,584 14,418
Hardeman Harris Harrison Haskell Hays	1,090 408 133 7,286	826 3,046 4,821 4,649 16,318	1, 818 4, 397 10, 432 6, 979 22, 4 27	2,845 5,001 13,805 10,244 26,591	3,571 5,510 17,239 12,523 27,976	4,270 6,014 20,775 13,962 28,482	4,361 6,222 21,902 14,180 28,520	4, 420 6, 312 22, 129 14, 745 28, 551	4,656 6,391 22,371 15,432 28,694	4,728 6,511 22,534 15,602 28,992
Henderson. Hill Hood. Hopkins Houston.	2,053	9, 497	15, 474	19, 255	22, 765	25, 951	26, 713	26, 845	27,351	27, 477
	10,907	43, 410	52, 652	60, 493	64, 297	66, 380	67, 734	67, 920	68,885	76, 670
	151	3, 138	4, 916	6, 289	6, 941	7, 519	7, 547	7, 727	7,759	7, 778
	982	11, 626	23, 389	30, 267	38, 875	47, 072	48, 587	49, 340	50,078	51, 153
	4,025	13, 087	19, 185	22, 655	25, 724	27, 908	28, 698	29, 061	29,500	29, 817
Howard.	(1)	1, 759	2, 847	3,524	4, 025	4,364	4,386	4,392	4,655	4,667
Hunt.	1,520	13, 895	26, 855	38,263	52, 147	63,125	64,576	65,238	66,730	68,494
Jack.	64	2, 126	3, 491	4,568	5, 292	5,768	5,807	5,878	5,970	5,997
Jackson.	2,932	5, 357	6, 244	6,760	7, 271	7,519	7,527	7,582	7,633	7,690
Jim Wells.	1,745	2, 099	2, 212	2,244	2, 345	2,389	2,389	2,406	2,409	2,409
Johnson	3,263	17, 943	26, 585	36, 149	41, 319	44,232	44,604	45,085	45,991	46, 480
Jones	782	7, 987	11, 809	15, 585	17, 764	19,489	19,740	20,066	20,690	20, 882
Karnes	14,814	22, 693	26, 271	28, 296	28, 950	29,255	29,298	29,373	29,414	29, 434
Kaufman	8,908	27, 205	39, 830	49, 692	59, 459	66,427	67,563	68,983	69,998	71, 453
Kendall	157	1, 371	2, 014	2, 334	2, 467	2,546	2,550	2,558	2,569	2, 584
Kent.	16	982	1,924	2,649	3, 121	3,464	3,549	3,626	3,729	3,767
Kerr	(¹)	358	658	858	945	955	957	968	971	971
Kleberg.	1,308	1,616	1,682	1,750	1, 750	1,750	1,750	1,760	1,760	1,760
Knox.	130	3,992	6,434	9,014	10, 655	11,983	12,160	12,496	13,019	13,146
Lamar	2,254	16,661	36,187	45,956	59, 843	67,691	68,717	69,031	70,838	72,533
Lampasas Lavaca Lee Leon Limestone	4,780 3,964 21,774	2, 681 31, 598 9, 788 10, 655 43, 081	3,801 35,288 12,559 15,071 53,352	4,598 36,848 13,509 17,650 58,030	4,817 37,454 14,197 19,587 61,048	4,945 37,956 14,523 22 62,141	4,967 38,038 14,618 21,615 62,459	5,002 38,151 14,813 22,233 62,682	5,062 38,370 14,968 22,441 62,781	5,074 38,630 15,164 22,528 62,946

 $^{^{\}mbox{\tiny 1}}$ Included in all other counties, to avoid disclosure of individual operations.

Table 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

	COTTON GINNED TO—									Total
COUNTY.	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	ginned.
		7	TEXAS	-Continued	•					
Live Oak Llano McCulloch McLeman. Madison	323	524	587	620	636	668	668	674	674	674
	211	1,793	2,738	3,532	3,862	4,077	4,123	4,210	4,398	4,444
	1,166	8,347	11,888	14,182	14,963	15,510	15,650	15,790	15,878	15,882
	21,259	49,898	66,884	81,490	88,147	92,454	93,391	94,389	96,331	98,367
	2,910	6,732	9,015	10,145	11,131	11,999	12,329	12,523	12,873	13,017
Marion	98	1, 185	2,946	3,904	4,915	5,787	6,070	6, 186	6, 258	6,313
	169	2, 343	3,486	4,301	4,625	4,788	4,809	4, 835	4, 944	4,974
	1,237	2, 921	4,325	5,177	5,960	6,566	6,601	6, 709	6, 801	6,821
	5,314	9, 317	11,272	12,011	12,562	12,764	12,811	12, 877	12, 915	13,000
	19,807	40, 914	51,736	56,833	59,045	60,255	60,867	61, 201	61, 528	62,220
Mills. Mitchell Montague Montgomery Morris.	393	4,777	7,018	7,972	8, 458	8,625	8,793	8,867	8,922	9,006
	287	3,825	6,672	8,877	10, 350	11,266	11,431	11,600	11,975	12,028
	214	5,983	12,883	16,781	19, 202	21,120	21,319	21,536	21,797	21,807
	1,976	4,712	6,506	7,171	7, 823	8,138	8,192	8,243	8,264	8,312
	245	2,316	5,396	6,729	8, 149	9,376	9,646	9,787	9,823	9,854
Nacogdoches. Navarro. Nolan. Nueces. Palo Pinto	917	5,069	10, 524	13,831	16,796	19,555	20,510	21,035	21,390	21,717
	22,375	50,555	63, 675	77,355	87,365	93,519	95,575	95,781	97,224	98,470
	172	2,827	4, 276	5,526	6,334	6,912	6,961	7,177	7,281	7,302
	9,610	13,071	13, 996	14,476	14,605	14,753	14,799	14,819	14,836	14,853
	148	2,647	4, 402	5,909	6,567	7,236	7,298	7,405	7,478	7,487
Panola	1,000	6,021	10,737	13,698	16,777	19,713	20, 406	20, 842	20,990	21,274
	258	6,444	11,234	14,966	16,853	18,160	18, 464	18, 855	19,013	19,157
	464	2,748	4,967	6,486	7,670	8,497	8, 681	8, 783	8,931	9,101
	145	1,647	3,520	4,633	6,190	7,405	7, 665	7, 718	7,810	7,882
	1,382	10,808	24,912	30,804	39,631	43,495	44, 130	44, 395	44,609	44,929
Robertson Rockwall Runnels Rusk Sabine.	12,719	24, 607	31, 498	35, 580	38, 785	40,580	41,126	41, 367	41,998	42,150
	1,214	6, 973	13, 104	16, 555	20, 227	22,398	22,603	22, 637	22,793	23,029
	830	7, 775	10, 912	13, 469	14, 515	15,618	15,697	15, S80	15,960	16,054
	1,794	8, 757	16, 337	20, 411	24, 274	27,509	28,456	28, 719	28,957	29,496
	41	834	1, 702	2, 576	3, 164	3,618	3,785	4, 192	4,296	4,445
San Augustine. San Jacinto. San Patricio. San Saba. Scurry.	373	2,743	5,090	6,689	8,093	9,395	10,047	10, 451	10,656	10,878
	309	2,034	3,840	5,039	6,192	7,246	7,583	7, 712	7,772	7,833
	13,982	17,501	18,650	19,186	19,360	19,390	19,390	19, 399	19,404	19,404
	395	4,934	7,141	8,534	8,973	9,225	9,242	9, 428	9,516	9,576
	71	3,192	5,434	7,314	8,517	9,297	9,538	9, 671	9,931	10,014
Shackelford	739 2, 829 37 41	1,060 5,839 14,551 784 1,363	1, 410 11, 899 24, 143 1, 229 2, 044	1,669 15,223 28,791 1,618 2,464	1,792 18,793 33,823 1,843 2,583	1, 882 21, 873 37, 716 2, 012 2, 729	1,894 23,112 38,502 2,049 2,748	1,922 23,495 38,954 2,075 2,773	1,931 24,020 39,101 2,119 2,800	1,931 24,892 39,288 2,134 2,807
Stonewall	(¹)	1,282	2, 573	4,001	4,779	5, 514	5,732	5, 985	6, 258	6,473
	1,752	9,631	15, 255	20,790	23,706	26, 146	26,542	26, 980	27, 153	27,725
	987	7,108	9, 658	11,813	12,790	13, 645	13,688	13, 961	14, 159	14,207
	(¹)	1,298	1, 979	2,683	2,981	3, 174	3,180	3, 191	3, 265	3,267
	182	3,821	8, 579	10,821	13,073	14, 740	15,642	15, 902	15, 994	16,243
Tom Green Travis Trinity Upshur Uvalde	15,773 374 584 1,432	1,378 37,427 2,614 4,446 3,933	2, 309 49, 169 4, 707 10, 968 5, 428	2, 897 57, 611 5, 801 14, 051 6, 266	3, 107 60, 625 6, 415 17, 026 6, 411	3,366 61,782 7,182 19,776 6,596	3,436 61,533 7,441 20,824 6,604	3,530 62,246 7,577 21,349 6,605	3,588 62,961 7,700 21,589 6,632	3,589 63,525 7,892 21,773 6,650
Van Zandt	2, 144	12, 696	21,090	28, 403	34, 441	37, 613	39,215	39, 297	39, 599	40, 130
	10, 465	17, 928	20,691	22, 177	23, 097	23, 503	23,547	23, 640	23, 731	23, 752
	2, 568	6, 256	8,958	10, 464	11, 852	12, 760	12,912	13, 066	13, 123	13, 194
	3, 327	7, 092	9,163	9, 914	10, 719	11, 237	11,204	11, 350	11, 540	11, 621
	19, 238	30, 846	35,370	37, 396	39, 369	40, 552	40,641	40, 785	41, 020	41, 248
Wharton Wichita Wilbarger Williamson Wilson	6,944	13,651	16, 742	18, 231	19, 156	20, 118	20,245	20, 463	20, 626	21,091
	32	1,369	2, 991	4, 176	4, 917	5, 568	5,716	5,767	5, 913	6,003
	18	2,092	4, 511	6, 755	8, 313	9, 709	9,929	10, 192	10, 835	11,168
	28,080	68,470	85, 539	94, 831	98, 931	101, 158	101,308	101, 817	102, 586	103,131
	10,185	18,005	22, 338	25, 163	26, 908	27, 435	27,524	27, 681	27, 814	27,854
Wise. Wood. Young. All other.	160	4, 938	9, 894	14, 287	16, 726	18,606	18,890	19,261	19,554	19,669
	438	6, 718	14, 447	18, 612	22, 973	27,087	27,839	28,016	28,494	28,823
	207	4, 286	6, 599	8, 857	9, 941	10,826	10,891	11,009	11,194	11,195
	10,634	25, 840	32, 234	41, 634	50, 144	57,439	59,455	61,057	62,335	66,826
			VIRO	GINIA.						
The state		171	4,312	8, 909	13,376	17,460	20, 832	22, 180	22,677	24, 569
Brunswick Greenesville Nansemond Norfolk. Southsampton All other		(1) 44 50 75 2	862 562 1,005 202 1,521 160	1,610 1,120 2,149 521 2,649 860	2,254 1,808 3,370 810 4,025 1,109	2,023 2,474 4,163 1,150 5,241 1,509	3,323 2,798 4,718 1,163 5,990 2,840	3, 426 2, 910 5, 003 1, 279 6, 547 3, 015	3,489 2,965 5,048 1,279 6,812 3,084	3,727 3,189 5,296 1,357 7,228 3,772

¹ Included in all other counties, to avoid disclosure of individual operations.

THE WORLD'S PRODUCTION OF COTTON.

Cotton is grown in many localities within a globeencircling belt about 5,000 miles wide, but the total area devoted to its cultivation constitutes only a small part of the entire land surface within this belt. A number of conditions are requisite to the successful production of cotton, the most important factor being a suitable climate. The cotton plant requires a long warm season in which to come to full maturity, as well as adequate moisture. In some localities where the rainfall is insufficient, recourse is had to irrigation. This method of supplying the necessary moisture is used extensively in the cotton-growing districts of Egypt, Russia, Mexico, Peru, Persia, and in some of the districts of India. In order to produce the crop economically it is necessary to have sufficient labor, trained in growing cotton, and, in addition, adequate ginning and transportation facilities. The state of Oklahoma is an example of the effect of these conditions. Formerly this section lacked all these factors, although no part of this country has had a greater expansion in recent years. In 1899 the combined production of cotton in Oklahoma and Indian Territories was 214,591 bales, while the crops of 1910 and 1911 each exceeded 1,000,000 bales. The establishment of better transportation facilities in Russian Turkestan has been an important factor in increasing the production in that country.

Many attempts have been made in recent years to extend the cultivation of cotton to new districts, but either one or all of the requisites just mentioned have been lacking. While these efforts have demonstrated the possibility of growing very good grades of cotton in a number of new fields, they have not been sufficiently encouraging to warrant the hope of any considerable addition to the world's production of cotton from these sources within the next few years. It seems, therefore, that the growing demand for cotton must be met, for a time at least, by increased production in those countries in which the cultivation is already firmly established.

The United States is the only country which has provided an adequate statistical service to ascertain the quantity of cotton produced each year. The governments of India, Egypt, and Russia compile and publish estimates of acreage and production from time to time during the season, and it is said that the Indian Government proposes to establish a system of enumerating the bales at the presses. No official report as to the production of cotton is collected by any other country, and the information can be secured only

by special correspondence, from consular reports, trade publications, and other miscellaneous sources. The statistics given in Table 23 have been compiled from information secured from these various sources. The table shows the production of commercial cotton, by countries, for the crops of 1909 to 1913. The figures for some countries published in previous bulletins have been revised.

Table 23.—World's production of commercial cotton, by countries: 1909 to 1913.

[The statistics for the United States were collected by this bureau. Those for other countries have been compiled from a number of sources, among them being: The Cotton Gazette, Liverpoof; Mitsui & Co., Osaka; Reinhart & Co., Alexandria; Commercial Intelligence Department of the Indian Government; Russian Department of Agriculture; E. T. Craig, Mexico City; Pan American Union; and the United States Consular Reports.]

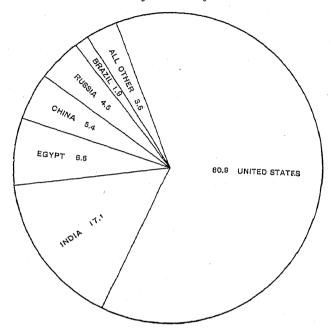
	COTTON	PRODUCTION	N (BALES OF	500 POUNDS	NET).
COUNTRY.	1913	1912	1911	1910	1909
Total	22, 255, 000	20, 976, 000	21,269,000	18, 027, 000	16, 241, 000
United States. India 1 Egypt China. Russia. Brazil Mexico Peru. Persia. Turkey All other countries.	13,545,000 3,801,000 1,470,000 1,200,000 1,004,000 420,000 150,000 110,000 140,000 130,000 285,000	13, 113, 000 3,328, 000 1, 492, 000 917, 000 917, 000 110, 000 110, 000 115, 000 115, 000 235, 000	15, 013, 000 2, 270, 000 1, 463, 000 625, 000 939, 000 275, 000 100, 000 120, 000 124, 000 210, 000	11, 104, 000 2, 722, 000 1, 506, 000 775, 000 981, 000 280, 000 147, 000 95, 000 117, 000 105, 000 195, 000	9,566,000 3,414,000 1,000,000 600,000 785,000 225,000 125,000 107,000 116,000 108,000

¹ The amounts for India do not include cotton used in home manufacture, although such cotton is included in the reports of cotton produced compiled by the Indian Government.

As the statistics of cotton production for foreign countries are generally expressed in net-weight bales, those for the United States in this table have been reduced to that basis. The world's production of cotton in 1913, exclusive of linters, as measured by the factory supply—that is, the quantity entering commercial channels—was 22,255,000 bales of 500 pounds net, as compared with 20,976,000 bales in 1912, 21,269,000 bales in 1911, and 16,241,000 in 1909. The table shows a great variation in the production of cotton, the total in 1913 being 6,014,000 bales, or 37 per cent greater than in 1909. The average production for mill consumption during the five years covered by the table was 19,753,600 bales, or 2,501,400 bales less than the production of 1913. In addition to the amounts shown in the table, large quantities of cotton are produced in some countries and consumed in the homes of the people, without entering commercial channels. This is the case especially in China and to a less extent in other eastern countries; but the amount of such cotton can not be estimated with any degree of accuracy.

The relative importance of the several cotton-producing countries is graphically presented in the following diagram. Of the total production of commercial cotton in 1913, the United States contributed 60.9 per cent, India 17.1 per cent, Egypt 6.6 per cent, China 5.4 per cent, and Russia 4.5 per cent.

DIAGRAM 2.—Percentage of the world's mill supply of cotton contributed by each country: 1913.



UNITED STATES.

The first effort to cultivate cotton in the United States was made in Virginia in 1621. Later, experiments in cotton culture were made in Maryland, Delaware, Pennsylvania, and New Jersey, but conditions of climate in those states were found unsuitable. It was introduced into South Carolina in 1733 and into Georgia in 1734. It was being grown in Louisiana in 1741. Cotton was not grown as a staple crop, however, until 1770, at which time shipments of American cotton to Liverpool were recorded as: Ten bales from Charleston, three bales from New York, four bags from Virginia, and three barrels from North Carolina. After the Revolutionary War the cultivation of cotton spread more rapidly. The crop of 1790 produced 3,138 equivalent bales of 500 pounds each, 379 of which were exported. Table 15, page 29, indicates the growth in the production of cotton in the United States from 1790 to 1913.

Altogether the greatest cotton-growing section in the world, both in extent and in production, is located in the southern and southeastern parts of the United States. It includes small portions of Virginia, Kentucky, Missouri, Kansas, and New Mexico, and the states lying to the south. This cotton-producing area is about 1,500 miles long, from east to west, and about 500 miles in width. Within the past few years the cultivation of cotton has been undertaken in Arizona and California, on irrigated land, with considerable

success, especially in the latter state. The growing of other valuable crops, however, will likely prevent any appreciable increase in the production in these states.

Some idea of the importance of cotton production in the United States from an economic standpoint may be had when it is considered that, next to corn, cotton is the most valuable crop grown in the country, and that cotton is the largest single item of export. The value of the cotton crop of 1909 represented 15 per cent of the total value of all the crops of the country. The value of cotton exported during the fiscal year 1913 amounted to \$547,357,195, or 22.5 per cent of the total value of all articles of domestic merchandise exported during the year. These large exports, combined with the more than 5,000,000 bales consumed in domestic manufacture, strikingly indicate the importance of cotton in the economic affairs of the Nation.

It is therefore not surprising that the Federal and state governments are giving so much attention to this crop. The investigations and experiments have covered every phase of the subject and have aided greatly not only in increasing the production of cotton but in propagating varieties suited to the varying conditions of soil, moisture, insect life, etc., found throughout the cotton belt.

INDIA.

Cotton has long been an important agricultural product of India, where it has been used from time immemorial in making cloth for garments. Until in comparatively recent years the fiber was used almost entirely for home consumption, and therefore information as to the quantity produced is not available. The crop of 1790, however, has been estimated at 260,000 equivalent 500-pound bales; that of 1859, at 1,316,800 bales; that of 1865, at 2,090,400 bales; and that of 1913, at 4,160,800 bales. The following table presents statistics of cotton acreage, production, and yield per acre for India since 1897, together with the average for the period:

Table 24.—Cotton acreage, production, and yield per acre in India: 1897 to 1913.

		COTTON PROI	OUCTION.
YEAR.	Acreage planted in cotton.	Total (500-pound bales).	Average per acre (lbs.).
1913. 1912. 1911. 1910. 1910. 1909. 1908. 1907. 1906. 1904. 1908. 1901. 1902. 1901. 1900. 1899. 1898.	24, 595, 000 22, 028, 000 21, 615, 000 22, 596, 000 22, 596, 000 22, 545, 000 19, 999, 000 22, 488, 000 20, 401, 000 19, 918, 000 16, 581, 046 14, 506, 295 14, 231, 150 11, 884, 576 14, 602, 892 13, 683, 487	4,160,800 3,688,000 2,630,400 3,082,400 3,774,400 2,952,800 3,926,400 3,926,400 2,863,714 3,000,439 2,648,586 2,102,918 1,674,817 2,512,104 2,122,968	85 84 59 68 92 73 58 88 83 77 79 90 91 76 70 86 78
Average	18,784,085	2,949,926	79

According to the Final General Memorandum on the cotton crop of 1913–14 issued by the Indian Government on February 25, the total outturn is estimated at 4,160,800 bales of 500 pounds each. As a rule, the government estimates are too low when considered in connection with the figures of cotton exported and of cotton consumed. While the estimates in some years closely approximate the movement, in other years they are very much below it.

According to Table 24 there were 24,595,000 acres planted in cotton in India in 1913, an increase of 2.567,000 acres over 1912. It is the largest area ever planted to cotton in that country. The crop of 1913 was 472,800 bales larger than that of 1912, and exceeded that of 1906, the second largest crop, by 234,400 bales, and the average for the period covered by the table by 1,210,000 bales. This increase in production was due, in part, to the relatively large increase in the area planted and in part to more favorable conditions during the growing season. The average yield per acre in 1913 was 85 pounds, an amount woefully small when compared with the average production in other countries. This seems all the more strange when consideration is given to the fact that the population of the country as a whole is very dense and that the value of the land for the raising of foodstuffs must be correspondingly great. The average production per acre for the different provinces varies greatly, ranging from 44 pounds in Hyderabad and 79 pounds in Madras to 122 pounds in the United Provinces and 160 pounds in Sind. Rainfall is depended on very largely for the supply of moisture in growing the cotton crop. The dry seasons in some of the provinces are sometimes extended into periods of drought, which accounts very largely for the low averages in those provinces. In Sind and in some other sections irrigation is depended on, to some extent, and where this condition is found the average yield per acre is relatively high. Table 25 gives the statistics for the acreage in cotton and the production, by provinces, for the crops of 1909 to 1913, inclusive.

The native Indian cotton has a short coarse fiber and can not be utilized in the manufacture of the finer counts of yarn. The demand for a better staple on the part of some of the Indian mills, as well as for export, has resulted in the Indian Government giving the subject of improving the cotton serious consideration. The principal difficulties to be surmounted are the low yield per acre of these higher grade cottons, the fact that the grower realizes but little more for the better than for the poorer grades, and the mixing of the seed at the ginneries. The Government of India, together with the provincial and local governments, has established seed farms for the purpose of furnishing pure seed to the growers. This plan will ultimately result in materially improving the staple of Indian cotton and permit this cotton to enter European markets to a much greater extent than heretofore.

Table 25.—Cotton acreage and production in India, by provinces: 1909 to 1913.

PROVINCE. (Includes native states within provincial boundaries.)	Year.	Acreage planted in cotton.	Cotton production (500-pound bales).
Total	1913	24, 595, 000	4,160,800
	1912	22, 028, 000	3,688,000
	1911	21, 615, 000	2,630,400
	1910	22, 596, 000	3,082,400
	1909	20, 545, 000	3,774,400
Bombay	1913	6,351,000	1,117,600
	1912	6,064,000	1,059,200
	1911	5,121,000	479,200
	1910	6,528,000	1,052,800
	1909	5,794,000	1,140,800
Central Provinces and Berar	1913	4,715,000	768, 800
	1912	4,493,000	728, 000
	1911	4,648,000	730, 400
	1910	4,487,000	503, 200
	1909	4,167,000	856, 000
Hyderabad	1913	3,653,000	320,000
	1912	2,888,000	240,000
	1911	3,234,000	240,000
	1910	3,562,000	234,400
	1909	3,401,000	368,800
Madras.	1913	2,593,000	410, 400
	1912	2,414,000	376, 800
	1911	2,878,000	268, 000
	1910	1,873,000	188, 000
	1909	1,569,000	144, 000
Punjab	1913	2,053,000	475,200
	1912	1,575,000	298,409
	1911	1,582,000	192,800
	1910	1,385,000	244,800
	1909	1,436,000	316,800
United Provinces	1913	1,586,000	387, 200
	1912	1,158,000	342, 400
	1911	921,000	200, 800
	1910	1,347,000	278, 400
	1909	1,241,000	307, 200
Central India	1913	1,426,000	218, 400
	1912	1,314,000	164, 800
	1911	1,400,000	182, 400
	1910	1,349,000	189, 600
	1909	1,068,000	176, 800
Baroda	1913	749,000	140,000
	1912	762,000	156,800
	1911	665,000	76,800
	1910	806,000	107,200
	1909	675,000	188,000
Rajputana	1913	470,000	105, 600
	1912	393,000	100, 000
	1911	263,000	58, 400
	1910	465,000	114, 400
	1909	464,000	118, 400
Sind.	1913	332, 000	106, 400
	1912	296, 000	98, 400
	1911	346, 000	99, 200
	1910	279, 000	77, 600
	1909	214, 000	83, 200
All other provinces	1913	667, 000	111, 200
	1912	671, 000	123, 200
	1911	557, 000	102, 400
	1910	515, 000	92, 000
	1909	516, 000	74, 400

Climatic and soil conditions in the several cotton-growing districts in India vary perhaps more than in any other cotton-producing country. In some parts the rainfall is abundant, while in others irrigation is employed to some extent, and in still others is depended upon entirely for moisture. The seasons also vary greatly; for example, in October the cotton crop is being harvested in the north of India, while in the south planting is in progress. As a result, cotton is being picked somewhere in the country almost throughout the year.

EGYPT.

Egypt ranks third among the countries of the world in the production of cotton. The climate and soil are peculiarly adapted to the production of high-grade varieties of cotton and the supply of moisture, coming as it does from a usually dependable system of irrigation, can be regulated to the best advantage. The season for gathering, too, is practically ideal, not being marked by storms or rains and no unavoidable damage to the matured crop occurs.

The growth of cotton production in Egypt in modern times has been generally very gradual, and the cultivation of the superior staples, which have given the country a distinguished position in the industry, dates only from 1821. Prior to that time the production was negligible, so that the beginning of the industry itself may be properly given that date. In 1824 the exports of cotton exceeded 45,000 bales. By 1859 the crop had increased to approximately 100,000 bales. During the period of the American Civil War the curtailment of production in the United States, which stimulated cultivation in all other cotton-producing countries, effected a great change in the agricultural pursuits of Egypt. Improved methods of cotton culture were adopted and the acreage devoted to the crop largely increased. The price of cotton advanced to more than 50 cents per pound and the production in 1865 exceeded 400,000 bales. Naturally a reaction took place after the close of the war and the resumption of the culture in the United States. Following this reaction the quality of Egyptian cotton deteriorated so rapidly that spinners repeatedly complained and the planters faced the necessity of finding new and more desirable varieties. In this they were very successful, so that, at the present day, the length, strength, and color of Egyptian cottons are characteristics of great value, while the uniformity of the fiber, due to equality of growth, renders them, in manufacturing processes, subject to less waste than are many other kinds.

Table 26 shows the cotton acreage, production, and average yield per acre in Egypt for the last 19 years.

Table 26.—Cotton acreage, production, and yield per acre in Egypt: 1895 to 1913.

Compiled	from	reports	of the	Egyptian	Survey	Department. 1

		PRODUCTION.				
YEAR.	Acreage.	Total (500-pound bales).	Average per acre (Ibs.).			
1913 1912 1911 1910 1909 1908 1907 1906 1905 1905 1904 1902 1902 1901 1900 1899 1898 1898	1,789,000 1,787,000 1,776,000 1,604,000 1,604,000 1,703,000 1,664,000 1,564,000 1,626,000 1,324,000 1,324,000 1,324,000 1,327,000 1,277,000 1,197,000	1,470,000 1,492,000 1,463,000 1,606,000 1,337,000 1,337,000 1,337,000 1,181,000 1,251,000 1,289,000 1,187,000 1,292,000 1,292,000 1,107,000 1,296,000 1,106,000 1,106,000 1,001,000	411 417 412 453 309 303 303 431 440 363 420 466 427 487 487 487 487 487 487 487 539 476 553 554 553 554			

According to the reports of the Egyptian Government, the acreage devoted to cotton in 1913 was 1,789,000, practically no increase from the preceding

year, but the largest for any year covered by Table 26. The crop of 1913 is estimated at 1,470,000 bales of 500 pounds each, this amount being exceeded by the crops of 1910 and 1912.

Owing to the fact that irrigation is used almost exclusively in the growing of cotton in Egypt, any disarrangement in the supply of water seriously affects the production of cotton in the country. The crop of 1913 had a good start, but later in the season many complaints were heard about the shortage of water for irrigation purposes, and there was great apprehension lest serious damage would result from insufficient irrigation. Fortunately the damage from this cause was comparatively small, and the quality of the fiber, which is greatly affected by lack of sufficient moisture, was about normal.

Cotton is the money crop of Egypt, this staple furnishing the money to pay the balance of trade in international commerce. An increase in the production, accordingly, is one of the most important questions before the country. In view of the fact that agriculture depends entirely upon irrigation, various projects for extending the irrigated area have been given great consideration.

Mr. Moritz Schanz, delegate of the German Colonial Economic Committee at the International Cotton Conferences held in Egypt during the Autumn of 1912, has written a comprehensive treatise on cotton in Egypt. This article appears in the official report of the Ninth International Congress of Delegated Representatives of Master Cotton Spinners' and Manufacturers' Associations held at Scheveningen in Holland. Mr. Schanz has gone into the history of the plant in Egypt, the Egyptian methods of farming, the system of land tenure, and many other conditions relative to this staple, presenting much information of interest on the subject. The following information taken from the report presents his views on the future of cotton in Egypt and the Sudan:

The future of Egyptian cotton.—It is estimated that, by making the fullest use of the area cultivated at present, and allowing an average yield of 430 pounds per acre in Egypt, north of Assiut, about 2,000,000 bales of 500 pounds each of cotton per year could be grown, and a further 300,000 bales could be obtained by reclaiming and cultivating the large lakes near the coast and the neighboring waste desert lands. As regards Lower Egypt, with the exception of the northern edge of the Delta, the maximum irrigable area of cultivation will very shortly be reached. On the other hand, there are still larger areas, apart from the Sudan, to be found in Upper Egypt, if the available water supply can be increased. Better crops than the present ones can be obtained from the poor land tracts if improved methods of cultivation, careful choice of seed, and the general application of artificial manure are introduced.

Still, the reclamation of new culturable land is only possible within very confined limits, as Egypt is simply a narrow easis, drawing its sustenance from the Nile, and consequently the time will arrive when, even with the highest possible perfection of the irrigation system of the Nile, the limit of the supply will be reached. So Egypt will never, even under the most favorable circumstances, be a rival to the United States of America as regards the amount of cotton produced.

If it should become possible to successfully grow in another country a cotton of equal quality to the Egyptian type, under sim-

ilar conditions of production, and this does not in any way appear impossible, a fall in the price of Egyptian cotton would occur, and a resulting economic loss would be sure to overtake Egypt; the risk of specializing on one crop to the neglect of all others has already shown itself clearly during the bad cotton seasons of 1908 and 1909.

Egypt has been heavily burdened in its agricultural production through the extremely high prices of land, which have risen excessively during the last two decades; on the other hand, it possesses, even to-day, the advantage of very low wages, and a unique position on account of its perfect system of irrigation, both of which, for the present, assure Egypt of its position in the supply of cotton.

In view of the strenuous endeavors of the government, and of all engaged in this industry, it appears certainly possible to meet the wishes of the spinners respecting the growing of definite qualities.

The future of Sudan cotton.—The industrial development of the Sudan has had to be, so far, according to all circumstances, a slow one; and even to-day one can only with difficulty forecast to what extent agriculture will develop, and at what period it will reach an important turnover. Both these items depend, even if no unforeseen circumstances occur which might cause a setback to the work of civilization that is being introduced by an excellent staff of officials, upon a large number of conditions, on which the government can only have a limited influence. * * * In the first instance, the problem of population is the most pressing one for a country which, until quite recently, has been one of the least populated on the globe. The native population increases, judging by the percentage of children, in a most astonishing manner, but; as regards immigration from other districts, only slow progress is being made, and slower still is the immigration from Europe.

The most promising prospects seem to lie in the exports from the Sudan of corn and cattle to Egypt, which have already increased, although even there the rise will only be a slow one. As to how quickly the development of cotton cultivation, with the help of artificial irrigation, will be achieved, nothing can yet be said, but the conclusion seems to be justified that the Sudan will hardly be, in the near future, a country that will produce such quantities of cotton as will have an influence on the markets of the world.

RUSSIA.

The production of cotton in the Russian empire is confined to its Asiatic provinces in Turkestan and Trans-Caucasia, although some experiments have been made to grow the staple in the European provinces of the country bordering on the Black Sea. The following table, compiled by the Cotton Committee of the Russian Department of Agriculture, gives comparative statistics of cotton produced, by geographic divisions, for the crops of 1912 and 1913.

Table 27.—Cotton production in Russia, by provinces: Crops of 1912 and 1913.

GEOGRAPHIC DIVISION.	COTTON PRODUCTION (BALES OF 500 POUNDS.)					
	1913	1912				
Total	1,004,328	917,352				
Turkestan	888, 408	805, 680				
Ferghana Samarkand Bokhara Trans-Caspia Syr-Daria Khiva	532, 800 69, 840 93, 600 57, 600 86, 400 48, 168	484, 848 58, 752 80, 928 64, 080 70, 488 46, 584				
Trans-Caucasia.	115, 920	111,672				
Erivan Elizavetpol Baku Tifis Kutais	47,520 52,200 10,800 4,320 1,080	49, 824 46, 584 10, 008 4, 320 936				

The estimated production of cotton from the crop of 1913 is 1,004,328 bales of 500 pounds each, compared with 917,352 bales from the crop of 1912. Of the total for 1913 Turkestan contributed 888,408 bales and Trans-Caucasia 115,920 bales. Ferghana produced more than one-half the total for the country, the other Central Asiatic provinces contributing being Bokhara, Samarkand, Trans-Caspia, Syr-Daria, and Khiva. The soil and climate of these provinces are well adapted to the cultivation of cotton. The summers are hot and long and the winters mild. As there is scarcely any rainfall during the growing season, irrigation is necessary. Any extension of the cottongrowing area depends almost entirely upon the construction and extension of irrigation plants. About one-half of the requirements of the Russian mills is supplied by Russian cotton. Efforts are being made to increase the production and a number of new irrigation projects are under construction. Some are nearing completion, while in other sections plans are being prepared for the reclamation of large areas.

CHINA

Cotton is produced extensively in many sections of China, but no accurate data as to the total amount are available. The greater portion is consumed locally in the homes of the people, the quantity thus consumed being largely a matter of conjecture. The Ministry of Agriculture of the Republic of China has estimated the annual production of cotton in that country for the crops of 1909, 1910, and 1911 at 4,181,-333 bales of 500 pounds each, while the crop of 1912 has been estimated by another source at 5,333,000 bales. As indicated above, however, these estimates are largely conjectural. It is certain that there has been a tendency, at least in some sections, to increase the production, as the suppression of the trade in opium has made land formerly devoted to the cultivation of the poppy available for other crops. Another influence tending to increase the production has been the high price of the staple and the consequent demand from other countries for this product.

Reliable data as to the quantities of Chinese cotton exported and used in the Chinese mills are available. These amounts for the crop of 1913, however, will not be determined until after the close of the commercial year ending August 31. It is not known how much time will have been lost during the present year in the Chinese mills, which contain about 1,000,000 spindles, whose potential consumption has been estimated at 550,000 bales of 500 pounds each. Neither is it known how much cotton will be exported, but the amount for the calendar year 1912 was 215,000 bales, and for 1910. 333,000 bales. In view of the increased production, the exports of the crop of 1913 will undoubtedly be larger than in previous years. In addition, large quantities of cotton are consumed in factories engaged in making wadding for clothes. The quantity of Chinese cotton which will enter commercial channels from the crop of 1913 is accordingly estimated at 1,200,000 bales of 500 pounds each.

BRAZIL.

The climate and soil of large areas in Brazil are suitable for the growth of cotton. The plant is indigenous to the country and the aborigines were using the lint of the wild cotton tree for various purposes when the Europeans first visited the country. Nevertheless, the cultivation of the plant received comparatively little attention until the shortage in the supply from the United States during and following the Civil War greatly increased the price of the staple. In 1860 the exports of Brazilian cotton amounted to about 50,000 bales of 500 pounds each, and this figure practically measures that country's commercial production of cotton at that time, as the domestic mill consumption was a negligible quantity. By 1872 the exports had increased to the equivalent of 346,231 such bales, which remains the maximum amount ever exported in a single year. A general decrease in the cultivation and exportation of cotton followed, and at the end of 1908 the exports had reached the low mark of 14,256 bales. This figure, however, is not indicative of the production of the country for that year, as the spinning and weaving of cotton in Brazil has developed to such an extent in the past 20 years that it is now the most important manufacturing industry in the country.1 The mills depend almost entirely upon the home production for their raw material and consume by far the larger portion of the total quantity

Great efforts are being made to increase cotton cultivation in Brazil and place it upon a stable basis. In 1912 the exports of Brazilian cotton amounted to 73,960 bales, and in 1913, to 165,008 bales. The production in 1913 has been placed at 410,000 bales. With the development of better cultural methods and the improvement of transportation facilities, the production of cotton in Brazil may be expected to show considerable increase.

PERU.

The production of cotton in Peru, while comparatively insignificant in quantity, has shown a rapid increase. In 1902 the crop amounted to 36,500 bales of 500 pounds each, and in 1909, the latest year for which accurate data are available, to 107,316 bales. Of this amount, 95,411 bales were exported and 11,905 bales consumed in Peruvian mills, principally in the manufacture of the coarser grades of cloth. The value of cotton exported during the years 1909, 1910, and 1911 is given in a recent issue of the Pan-American Bulletin, and indicates that the exports for the later two years were somewhat less than in 1909. There has been some extension of the area devoted to cotton, and, in the absence of reliable information, the production in 1912 and 1913 is placed at 110,000 bales.

The principal cotton-producing districts of Peru are located near the coast and are irrigated by waters from the Andes, brought in canals from the many rivers. Rains are almost unknown in these districts, although considerable moisture is supplied in the form of dews, which are unusually heavy. The soil is rich and the average yield is not far from a bale to the acre. While Peruvian cotton is free from many of the diseases that attack the plants in other lands, considerable damage was caused in several districts by insect pests.

There are several varieties of cotton grown in the country, that from American seed amounting to nearly two-thirds of the total. The best-known variety is that designated "rough Peruvian," and grown principally in the Piura and Ica Valleys in the northwestern part of the country. It is an indigenous tree cotton, which attains a height of 12 to 15 feet and lives for a number of years. It is cut back each year, and is usually replanted in from 4 to 7 years. This variety is used for mixing with wool, and is in demand in all the wool-manufacturing countries. Small quantities of sea-island and Mit Afifi are also grown.

MEXICO.

Accurate statistics as to the annual production of cotton in Mexico are not available. The semiannual reports of the cotton mills to the Government, however, give the quantities of the several kinds of cotton consumed, and these, with the statistics of imports and exports, afford a general idea as to the production. According to the figures compiled by Mr. E. T. Craig, of Mexico City, the consumption of Mexican cotton in Mexican mills amounted to 127,000 bales of 500 pounds net for the year ending June 30, 1913, as compared with 130,000 bales for 1912, 147,000 bales for 1911, and 124,000 bales for 1910. The annual exports of cotton are negligible, while the imports range from 5,000 to 40,000 bales, most of which are American cotton. The growing conditions during the last season were better than for several years previous, but the output was restricted somewhat by the disturbed political conditions, and the production for 1913 is accordingly placed at 150,000 bales.

Cotton is cultivated in many parts of Mexico, but more than three-fourths of the total quantity is grown in the Laguna district, which includes portions of the States of Coahuila, Durango, and Chihuahua, where the production depends almost entirely upon irrigation. The staple produced in Mexico is strong and averages more than an inch in length.

When the factories are operating under normal conditions, they consume practically the entire production and draw also upon the United States for a part of their requirements.

TURKEY.

Under the stimulating effects of high prices the production of cotton in Turkey reached approximately 240,000 running bales in 1865. This was fol-

¹ Cotton Goods in Latin America, by W. A. Graham Clark, special agent of the Department of Commerce.

lowed by reaction, and between 1870 and 1895 no production worthy of mention occurred. Since 1895, however, a new impetus has been given to the industry, and the production in 1912, according to the report of Mr. G. Bie Ravndal, consul general at Constantinople, has been estimated at 200,000 bales. The principal cotton-growing section, according to this report, is in the Cilician Plain, in the vicinity of Adana. Other cotton-growing districts are in Aiden, near Smyrna, and in Armenia, Palestine, and Mesopotamia.

In view of the success attending the cultivation of cotton in the Russian Provinces of Asia, there will undoubtedly be a considerable expansion in Turkey, particularly with the introduction of modern methods of irrigation. Better transportation facilities are being provided, and some irrigation projects of magnitude are in course of construction, a large project of this character in the vicinity of ancient Babylon being nearly completed.

The weight of the Turkish bale varies considerably in the several districts, and account must be taken of this in presenting figures of production. According to information received from Mr. R. E. Prichard, of the Cotton Gazette, Liverpool, the total production of commercial cotton in the country from the crop of 1913 is 130,000 bales of 500 pounds each.

PERSIA.

The conditions surrounding the cultivation of cotton in Asiatic Russia and in Turkey are also found in Persia. The production in this country, while small, is growing. The value of cotton exported in 1911 was \$6,508,821, compared with \$8,258,237 in 1912. Irrigation is used for supplying the moisture, and as new land is brought under water advancement will be made in this culture. The production of commercial cotton from the crop of 1913 has been placed at 140,000 bales. The cotton produced is similar in character to that grown in Trans-Caucasia and in Turkestan, and is mostly exported to Russia, with which country transportation facilities have been provided.

OTHER COUNTRIES.

Cotton for mill consumption is also grown in a number of other countries and consideration must be given these in presenting a summary of the world's production. The conditions of soil and climate in some of these countries are so suited to cotton production that the handicaps of insufficient experienced labor and of inadequate transportation facilities will be overcome, and thus will be added to the world's supply of cotton the production of large areas as yet undeveloped. However, because of local conditions, many of them must ever remain of small importance from the standpoint of the quantity of cotton produced.

The West Indies furnished more than 70 per cent of the total British supply of cotton during the period from 1786 to 1790. While the total quantity was never large, the production in these islands fell off greatly after this date, although in recent years there has been somewhat of a revival in this culture. The relative increase may be great, but the total production will never reach large proportions.

Colombia and Venezuela produce cotton to a limited extent, a large part of the total being used in the mills located in these countries.

Argentina contains large areas suited to the cultivation of cotton, but the total production is very small. According to the report of the British minister at Buenos Aires, the lack of cheap labor is a great obstacle to the cultivation of cotton, and, in spite of the efforts and encouragement of the Government, only 3,060 acres were planted in cotton in the Chaco territory. It does not appear that any large increase can be expected for years to come.

Uruguay, according to a statement in the August, 1913, issue of the Pan-American Bulletin, has taken up the cultivation of cotton. There were 9,372 bales of cotton exported from Paysandu, a port on the Uruguay River. This represents only a part of the cotton exported from Uruguay, as most of the districts send their cotton to Montevideo by railroad.

In Korea the Japanese Government is fostering the cultivation of cotton. The Daily Consular Report of June 25, 1913, contains a statement to the effect that the acreage in cotton in 1913 was 35,000, as against 15,000 the previous year. While the production at present is unimportant, it is probable that there will be a material increase in this country. Practically all of the cotton is grown in Chonla Province in the vicinity of Mopko.

Siam and French Indo-China are producing cotton on a larger scale than formerly. A part of the production is used in the mills located in these countries.

The Dutch East Indies and the Philippines grow some cotton, but it is improbable that the amounts will ever attain large proportions.

Australia has made some experiments in growing cotton, and large sections of the country appear to be suitable to this culture.

Greece has produced more than 10,000 bales annually for a number of years. With the annexation of the Turkish provinces, it is likely that the annual production will be several times this amount.

Bulgaria, Servia, Italy, and Spain all produce small quantities of cotton, but the totals reported are inconsequential.

Practically all of the African subdivisions produce some cotton, the largest amounts of commercial cotton being produced in Uganda, German East Africa, and Nigeria. The British, French, and German cotton-growing associations, as well as a number of other organizations, have furnished seed, erected ginneries, and otherwise encouraged the production of cotton in the several dependencies. Notwithstanding these endeavors, the increase in the quantity of cotton available for export has been disappointingly small.

CONSUMPTION, EXPORTS, IMPORTS, AND STOCKS OF COTTON.

Statistics concerning the quantity of cotton consumed, imported, exported, and on hand, and the number of active consuming cotton spindles are now collected monthly by the Bureau of the Census. This work is done in compliance with an act of Congress, approved July 22, 1912. Prior to the enactment of this law the bureau collected the statistics of cotton consumed and cotton on hand for periods ending with August, October, December, and February. These statistics are auxiliary to those of cotton ginned, and their purpose is to furnish reliable information as to the movement of cotton, which will be of value to the producer in disposing of his cotton and in planning for the succeeding crop, as well as to the manufacturer in purchasing his supplies.

To present complete statistics regarding stocks of cotton, it would be necessary to canvass all agencies which handle cotton. There are approximately 2,000,000 growers, 25,000 ginners, 2,600 public storage places, and 2,100 cotton-consuming establishments. In addition, there are numerous transportation companies, local buyers, merchants, and others who handle more or less cotton during the season. It is manifestly impracticable to obtain monthly reports from so many agencies, and the Bureau of the Census has therefore adopted the plan of securing individual

reports of the quantity of cotton consumed during each month and of stocks on hand in manufacturing establishments and in independent warehouses, compresses, and other public storage places at the end of the month. The Bureau of Foreign and Domestic Commerce, of this department, compiles and furnishes to the Bureau of the Census the statistics of imports and exports of cotton.

Statistics of cotton consumed, exported, and on hand have been collected since 1906. Table 28 summarizes these statistics for years ending August 31, showing, separately, the quantity of cotton consumed and on hand in manufacturing establishments for cotton-growing states and for all other states. The segregation of stocks shown in this and succeeding tables is based upon the location of the cotton and not upon the ownership nor the locality of growth. For instance, cotton in warehouses connected with the mills is classed as in manufacturing establishments. while cotton in independent warehouses and other public storage places comprises all cotton stored in such establishments, regardless of its ownership. Owing to the fact that figures expressing the number of bales of linters included in some of the items are not available, the amounts given in the table include both cotton and linters.

Table 28.—DISTRIBUTION OF THE COTTON SUPPLY FOR YEARS ENDING AUGUST 31: 1906 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales, and foreign cotton in equivalent 500-pound bales. Linters are included.]

	1913	1912	1911	1910	1909	1908	1907	1906
Aggregate	16, 225, 734	17,896,226	13,873,423	12,188,021	15,312,885	13,358,707	15,025,720	13,047,219
Cotton exported. Cotton consumed, total. In cotton-growing states. In all other states. Cotton destroyed by fire. Cotton on hand at end of year. In manufacturing establishments, total. In cotton-growing states. In all other states. In independent warehouses and other public storage places. Elsewhere (estimated).	40,000 1,598,438 778,158 234,509 543,649	10, 681, 758 5, 367, 583 2, 712, 223 2, 655, 360 70, 000 1, 776, 885 870, 646 241, 611 629, 035 556, 239 350, 000	7,781,414 4,704,978 2,328,487 2,376,491 12,000 1,375,031 542,191 101,114 441,077 432,840 400,000	6,339,028 4,708,963 2,202,333 2,506,620 10,000 1,040,040 533,232 121,349 411,883 306,808 200,000	8,574,024 5,240,719 2,553,797 2,686,922 14,557 1,483,585 907,097 186,458 720,639 325,099 251,389	7,573,349 4,539,090 2,187,096 2,351,994 10,210 1,236,058 594,184 112,471 481,713 444,626 197,248	8,503,265 4,984,936 2,410,993 2,573,943 22,952 1,514,567 1,016,738 311,307 705,431 388,919 108,910	6,763,041 4,009,279 2,373,577 2,535,702 25,760 1,349,139 680,471 184,060 496,411 } 668,668

MONTHLY REPORTS OF COTTON AND LINTERS CONSUMED, IMPORTED, EXPORTED, AND ON HAND.

The collection of monthly reports of cotton consumed, imported, exported, and on hand, and of active consuming cotton spindles, authorized in the act approved July 22, 1912, was inaugurated with September, 1912. Table 29 presents statistics of cotton and linters consumed during each month and on hand in manufacturing establishments and public storage places at the end of each month from September, 1912, to March, 1914, inclusive.

The quantity of cotton consumed, as shown in the table, varies considerably from month to month. The

large amounts for October and for January, however, may be accounted for, in part, by the larger number of working days in those months and by the fact that a number of establishments—among them some of the largest in the country—reported for a four-week or a five-week period, so that the figures for these months cover a five-weeks' consumption in the case of a considerable number of establishments. This latter condition has been called to the attention of the mills, with the result that the reports for practically all establishments now relate to the calendar months. Consumption of cotton, both in the cotton-growing states and in all other states shows a general increase during the period covered by the table.

Table 29.—COTTON AND LINTERS CONSUMED AND ON HAND IN MANUFACTURING ESTABLISHMENTS AND IN PUBLIC STORAGE PLACES, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

[Quantities are given in running bales, except that round bales are counted as half bales, and foreign cotton in equivalent 500-pound bales.]

	·			COT	ION.					LINTE	RS.	,	
			Consumed.		On hand.				Consumed.		On hand.		
MONTH.	Year.		In cotton	In all	In manu establis	facturing hments.	In inde- pendent		In cotton	In all	In manu establis	facturing hments.	In inde- pendent
		Total.	states.	other states.	In cotton states.	In all other states.	ware- houses, etc.	Total.	states.	other states.	In cotton states.	In all other states.	ware- houses, etc.
September	1913 1912	442, 435 411, 582	240, 935 214, 993	201,500 196,589	196, 522 197, 264	418,059 475,219	1,295,155 1,376,078	27,697 24,579	9,172 8,548	18,525 16,031	13, 196 8, 050	39,295 33,373	24,681 10,268
October	1913 1912	511, 923 483, 878	263, 235 243, 405	248, 688 240, 473	564,393 441,578	458,622 429,667	2,509,658 2,805,864	31,355 29,182	10,701 10,053	20,654 19,129	12,397 9,273	37,086 28,471	38,05 7 15,45 1
November	1913 1912	456,356 448,800	244, 546 233, 885	211,810 214,915	816,337 749,206	610,301 545,814	3,260,714 3,337,527	26, 242 26, 711	9,389 9,423	16,853 17,288	16,307 13,834	42,516 32,158	34,541 33,188
December	1913 1912	456, 262 422, 569	238, 149 216, 818	218, 113 205, 751	936, 285 921, 522	792, 274 721, 873	3,312,853 3,199,207	21,993 22,706	7,888 8,360	14, 105 14, 346	20,863 19,184	53,717 42,626	44,302 36,157
January	1914 1913	517,299 509,694	269, 460 262, 321	247,839 247,373	905, 419 895, 049	859,142 941,497	2,839,700 2,622,010	23,611 24,049	8,468 9,183	15, 143 14, 866	23,718 22,663	63,499 53,784	49,923 35,038
February	1914 1913	455,231 448,095	243,182 232,198	212,049 215,897	848,686 871,177	863,682 1,022,789	2,313,974 2,217,619	22,398 23,118	7,562 7,763	14,836 15,355	26, 185 25, 830	67,624 61,505	54,721 33,280
March	1914 1913	493,354 462,455	260, 797 242, 863	232,557 219,592	806, 423 824, 163	872,816 1,014,305	1,834,008 1,790,526	24,720 23,118	7,830 7,350	16, 890 15, 768	26, 873 25, 410	76, 753 67, 644	57,538 40,790
April	1913	478,506	254, 223	224, 283	721, 521	931,786	1,340,605	25,484	7,104	18,380	24,787	68, 296	46, 268
May	1913	481,993	253, 546	228,447	590, 560	828,627	895, 573	27,327	7,843	19, 484	21,811	63,823	43,281
June	1913	441,157	235, 721	205,436	471,767	731,703	609,360	25,355	7,372	17,983	20,826	61,019	40,877
July	1913	462,242	240,969	221,273	345, 152	612, 409	381,739	24,750	7,486	17, 264	17,815	54,578	29,148
August	1913	432, 350	230,801	201,549	219, 184	498,520	467, 902	26,630	8,290	18,340	15,325	45, 129	27,378

Stocks of cotton on hand naturally increased during the ginning season, reaching their highest point for the manufacturing establishments in cotton-growing states in December and in all other states in March, while the quantity in independent warehouses and other public storage places was largest at the close of December. These statistics do not show the quantity of cotton and linters held "elsewhere," that is, cotton and linters other than in manufacturing establishments and in public storage places.

ACTIVE COTTON SPINDLES.

Table 30 shows, for each month since September, 1912, the number of active cotton spindles in the United States, in the cotton-growing states, and in all other states. The figures include all spindles operated at any time during the month, and therefore do not represent the average number. The number of active cotton spindles has shown for each month a gain over the preceding month, this being the case in the cotton-growing states and for the country as a whole.

Table 30.—ACTIVE CONSUMING COTTON SPINDLES, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914.

		ACTIVE CO	TTON SPINDLES (NUMBER).			ACTIVE COTTON SPINDLES (NUMBER).				
MONTII.	Year.	Total.	In cotton- growing states.	In all other states.	MONTH.	Year.	Total.	In cotton- growing states.	In all other states.		
September	1913 1912	30,634,381 29,775,039	12,009,006 11,502,636	18,625,375 18,272,403	February	1914 1913	31, 139, 730 30, 536, 486	12,306,311 11,757,852	18,833,419 18,778,634		
October	1913 1912	30,855,360 30,030,733	12,080,706 11,582,060	18,774,654 18,448,673	March	1914 1913	31,083,858 30,575,028	12,352,972 11,853,142	18,721,886		
November	1913 1912	30,949,337 30,072,579	12,090,701 11,610,173	18,858,636 18,462,406	April	1913 1913	30,572,108	11,911,333 11,918,309	18,660,775 18,637,868		
December	1913 1912	31,004,716 30,153,747	12,152,883 11,619,899	18,851,833 18,533,848	June	1913	30,046,121	11,954,524	18,091,597		
January	1914 1913	31,098,178 30,359,843	12,256,338 11,740,465	18,841,840 18,619,378	July	1913 1913	30,022,654 30,602,282	11,969,736 11,973,633	18,052,918 18,628,649		

IMPORTS AND EXPORTS OF COTTON.

Foreign cotton imported into the United States is frequently transshipped at intermediate points, and, in some instances, is counted as imported from the country of transshipment. There has been a demand for information regarding the country of production, and the Bureau of Foreign and Domestic Commerce has accordingly arranged to furnish this information. The following table shows the monthly imports of cotton, by country of production, from September, 1912, to March, 1914, inclusive.

TABLE 31.—TOTAL IMPORTS OF COTTON, BY COUNTRIES OF PRODUCTION, FOR EACH MONTH FROM SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

		IMPORT	s of for		TTON (E	QUIVALI	ENT 500-1	OUND			IMPORTS OF FOREIGN COTTON (EQUIVALENT 500-FOUND BALES).						
MONTH.	Year.		i		Produc	ed in—			MONTE.	Year.				Produce	ed in		
		Total.	Egypt.	China.	Peru.	India.	Mexico.	All other countries.			Total.	Egypt.	China.	Peru.	India.	Mexico.	All other countries,
September	1913 1912	7,449 8,930	4,000 7,710	413 106	1,328 630	719 433	983 21	6 30	February	1914 1913	20,771 34,039	11,361 29,899	3,602 2,457	1,426 1,367	951	3,361 316	70
October	1913 1912	5,569 10,571	2,119 6,522	751 3,042	1,419 567	266 345	1,014 58	37	March	1914 1913	30, 863 27, 889	17,155 23,028	5,049 1,051	886 946	70 2, 505	7,556 97	147 262
November	1913 1912	7,281 9,452	2,404 7,905	282 471	1,523 867	157 151	2, 898 3	17 55	April	1913	20,776 13,820	16,377 11,764	3,082 518	797 461	1		520 1,076
December	1913 1912	15, 815 24, 846	11,888 21,548	67 1,730	1,324 1,481	655	1,635 72	246 15	June	1913	8,019	6,622	617	572			208
January	1914 1913	19,624 52,022	11,341 47,098	508 3,132	883 1,586	155 44	6,708 160	29	JulyAugust	1913 1913	9,496 7,785	7,049 5,553	1,303 832	906 557	80 814	29	158

A large proportion of the foreign cotton imported into the United States is Egyptian, 83.9 per cent of the total for the year ending August 31 being produced in that country. Almost one-half of the remainder was Chinese, with smaller amounts of Peruvian, Indian, and Mexican, the quantity of the last named being

largely increased by the transportation of seed cotton from Lower California to California for ginning.

The following table presents, by months, from September, 1912, to March, 1914, the total exports of domestic cotton and linters, and shows, separately, the quantities taken by the most important countries:

Table 32.—EXPORTS OF DOMESTIC COTTON AND LINTERS, BY COUNTRIES TO WHICH EXPORTED, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

		EXPOR	ts of domestic	COTTON AND	LINTERS (RUN	NING BALES)	то	Linters
MONTH.	Year.	Total.	United Kingdom.	Germany.	France.	Italy.	All other countries.	included in ex- ports.
September	1913 1912	930, 328 729, 859	376, 426 345, 290	290, 805 163, 449	131, 950 103, 060	45, 290 36, 901	85, 857 81, 159	3,962
October	1913 1912	1,517,891 1,515,746	514, 105 638, 780	465, 525 430, 744	279, 469 239, 515	54, 282 63, 606	204,510 143,101	9, 4 57
November	1913 1912	1,501,259 1,734,687	530, 355 764, 928	516, 853 464, 058	183, 494 263, 58 2	67, 994 51, 756	202, 563 190, 363	27, 005
December	191 3 191 2	1,230,830 1,391,394	473, 028 610, 386	326, 938 384, 345	146, 074 165, 573	80,621 57,056	204, 169 174, 034	21, 249
January	1914 1913	1,052,272 900,931	437, 231 355, 837	308, 116 240, 087	78,574 97,818	54,824 49,871	173, 527 157, 318	24, 697
February	1914 1913	751, 013 530, 911	328, 794 166, 726	212, 599 159, 817	74,785 26,991	36,473 47,450	98, 362 129, 927	39,32 5
March	1914 1913	695, 310 372, 073	264, 999 97, 185	219, 948 128, 019	70, 447 14, 561	43, 130 44, 847	96, 786 87, 461	39, 619 (1)
April.	1913	534, 596	208, 963	133, 024	19,899	38, 338	134, 372	(1)
May	1913	468, 966	164,871	126, 574	23,643	41,440	112, 438	(ı)
June	1913	223, 921	88, 906	60, 804	7,935	27,077	39, 199	(1)
July	1913	140,710	39, 898	40, 548	7,132	24,589	28, 543	(¹)·
August.	1913	257, 172	77, 488	72,928	52,933	13,568	40, 255	(÷)

1 Not available.

STOCKS OF COTTON IN FOREIGN COUNTRIES.

The importance of cotton in the industrial world has created a widespread demand for information as to the supply of the staple. To meet this demand there are a number of individuals and associations engaged in compiling and publishing statistics on this subject. As a rule, the statistics of stocks are limited to the holdings in the more important cotton centers and to

cotton afloat, although some authorities publish data as to cotton on hand at the mills.

The International Federation of Master Cotton Spinners' and Manufacturers' Associations, which includes leading organizations of cotton manufacturers in the important cotton-spinning countries, collects information direct from the mills as to actual stocks of cotton on hand at the close of August and of February. Owing to the fact that the furnishing of the information is voluntary, and to the further fact that the mills are very widely scattered, there are always some establishments which fail to furnish the data at all, while the returns of some others are delayed beyond the date of publication. As a result, the data are incomplete and their value for purposes of comparison is correspondingly affected.

The following table, compiled from the report of the federation published March 31, 1914, shows, by countries for the years 1909 to 1914, inclusive, the total estimated number of spinning spindles, the number of spinning spindles in the establishments from which returns were actually received, and the number of bales of the several kinds of cotton on hand on March 1, in the establishments reporting:

Table 33.—NUMBER OF SPINDLES AND STOCKS OF COTTON ON HAND MARCH 1, BY COUNTRIES: 1909 TO 1914.
[Compiled from the Report of the International Federation of Master Cotton Spinners' and Manufacturers' Associations, published March 31, 1914. Stocks relate only to establishments from which reports were received.]

	Total es-	Number of spin- ning spin-	COTTON	stocks	ON MAR BALES).	CH 1 (RU	DNING		Total es-	Number of spin- ning spin-	COTTON	STOCKS	ON MAR BALES).	CH 1 (RU	'NNIN G
COUNTRY AND YEAR.	timated number of spin- ning spin- dles.	dles in mills from which re- turns were re- ceived.	Total.	Ameri- can.	East Indian.	Egyp- tian.	All other.	COUNTRY AND YEAR.	timated number of spin- ning spin- dles.	dles in mills from which re- turns were re- ceived.	Total.	Ameri- can.	East Indian.	Egyp- tian.	All other.
Europe: Great Britain— 1914. 1913. 1912. 1911. 1900. Germany— 1914. 1913. 1912. 1911. 1910. 1909. Russia— 1914. 1913. 1912. 1911. 1910. 1909. France— 1914. 1913. 1912. 1911. 1910. 1909. France— 1914. 1913. 1912. 1911. 1910. 1909. Austria— 1914. 1913. 1912. 1911. 1910. 1909. Austria— 1914. 1913. 1912. 1911. 1910. 1909. Spain— 1914. 1913. 1912. 1911. 1910. 1909. Switzerland— 1914. 1913. 1912. 1911. 1910. 1909. Belgium— 1914. 1913. 1912. 1911. 1910. 1909. Sweden—	55, 971, 501 55, 576, 108 55, 164, 796 53, 859, 247 53, 859, 247 53, 729, 985 53, 471, 897 11, 404, 944 10, 929, 426 10, 598, 752 10, 058, 372 9, 881, 321 9, 111, 835 8, 950, 000 8, 200, 000 7, 400, 000 4, 740, 400, 400 4, 740, 400, 400 4, 740, 400, 400 4, 824, 433 4, 577, 137 4, 102, 295 4, 600, 000 4, 522, 065 4, 602, 065	were re- ceived. 50,568,794 48,229,545 48,220,302 48,688,061 48,818,234 47,794,671 11,163,498 10,335,274 10,045,369 9,891,450 9,891,450 9,891,450 9,891,450 17,218,789 7,218,78	465, 015 494, 367 430, 143 399, 021 415, 182 464, 388 401, 750 370, 280 328, 582 307, 596 541, 339 401, 207 508, 767 608, 659 541, 822 454, 587 500, 623 442, 082 223, 816 199, 364 178, 262 162, 060 189, 093 174, 094 189, 093 189, 093 180, 387 135, 821 140, 908 159, 750	283, 783 326, 034 287, 276 200; 845 248, 430 303, 844 225, 016 204, 882 249, 545 188, 858 214, 901 111, 120 97, 715 90, 533 113, 575 129, 645 127, 789 123, 983 100, 988 124, 380 104, 983 124, 380 104, 983 124, 380 124, 380 124, 380 124, 380 124, 380 123, 983 124, 380 124, 380 124, 380 124, 380 124, 380 124, 380 124, 380 124, 380 137, 787, 94, 083 104, 877 127, 711 113, 463 98, 765 139, 707 47, 978 48, 453 47, 500 43, 130 31, 738 18, 544 15, 039 16, 298 10, 579	12,405 8,937 8,104 15,628 19,603 13,637 91,918 47,152 69,147 75,1252 69,147 108,538 10,026 5,781 22,407 108,538 10,026 5,781 23,910 108,538 10,026 5,781 23,210 24,153 29,959 43,189 51,288 60,778 60,778 60,778 11,252 9,600 11,472 9,600 11,472 9,600 11,47,574 12,580 11,472 9,600 11,500 9,550 12,730 2,332 1,233 355 1,213	126, 850 126, 399 101, 929 22, 216 102, 388 118, 414 37, 383 33, 783 33, 783 33, 783 33, 783 33, 783 32, 222 29, 218 18, 322 16, 332 29, 218 18, 322 27, 716 27, 374 25, 165 23, 623 38, 738 32, 822 27, 716 27, 374 25, 165 27, 374 27, 374 28, 317 28, 317 28, 317 28, 317 28, 317 28, 317 28, 317 28, 317 28, 317 28, 317 38, 317 38, 318 38, 318 3	41,977 32,997 32,834 30,334,943 20,448 10,513 16,588 11,428 415,410 10,673 388,912 415,410 10,673 388,912 415,410 6,639 6,017 6,639 6,017 6,639 6,213 9,373 7,579 2,019 8,563 7,579 2,019 8,563 10,454 11,834 7,200 8,450 2,834	Europe—Con. Sweden—Con. 1911. 1910. 1909. Portugal— 1914. 1913. 1912. 1911. 1910. 1909. Holland— 1914. 1913. 1912. 1911. 1910. 1909. Denmark— 1914. 1913. 1912. 1911. 1910. 1909. Norway— 1914. 1913. 1912. 1911. 1910. 1909. Norway— 1914. 1913. 1912. 1911. 1910. 1909. India: 1914. 1913. 1912. 1911. 1910. 1909. India: 1914. 1913. 1912. 1911. 1910. 1909. Japan: 1914. 1913. 1912. 1911. 1910. 1909. Brazil: 1914. 1911. 1910. 1909. Mexico: 19144.	529,772 470,000 430,000 482,000 482,000 482,000 475,698 470,956 450,100 490,994 470,956 454,112 465,246 420,978 417,7644 77,644 74,568 75,128 75,000 6,397,142 6,400,000 6,397,142 6,400,000 6,397,142 6,400,000 6,937,142 6,400,0	were re- ceived. 418, 793 411, 493 325, 911 400, 000 400, 000. 390, 520 287, 400 378, 016 440, 716 499, 994 470, 956 454, 412 465, 246 452, 478 471, 214 488, 112 487, 127 474, 556 75, 758 75, 728 65, 664 5, 151, 293 4, 291, 679 3, 296, 358 1, 300, 175 2, 414, 544 2, 176, 960 1, 180, 396 1, 171, 717, 786 1, 191, 293 604, 673 609, 905 620, 005 588, 400 627, 463	20, 113 14, 862 16, 695 3, 600 9, 658 6, 740 16, 130 15, 855 9, 425 8, 655 11, 520 14, 815 1, 357 1,	15,772 11,604 13,232 2,150 2,150 4,580 6,922 5,762 6,922 5,762 5,762 1,482 1,036 1,312 1,480 1,040 740 1,492 1,703 1,261 1,768 4,319 23,020 24,077 1,669 8,957 4,388 117,047 1,859 117,047 1,859 117,047 1,957 117,047	3,827 2,707 3,424 50 234 620 300 91 5,185 2,663 1,256 2,134 5,066 5,333 299 351 351 366 1,425 351 366 1,256 2,134 425 299,849 115,895 290,840 290,847 152,845 1101,644	114 333 254 1494 525 200 200 134 360 139 125 146 143 333 254 4592 588 667 6,053 4,898 6,235 7,473 7,395 143	200 26 39 1, 200 1, 200 1, 200 1, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 200 2, 237 37, 565 26 26 20, 740 2, 237 37, 565 22, 508 33, 378 53 35, 535 12, 612 111, 210 22, 508 33, 378 53
1910. 1909. Belgium— 1914. 1913. 1912.	1,496,698 1,493,012 1,518,134 1,408,838 1,371,975	1,309,432 1,414,660 1,518,134 1,468,838 1,371,975	24,973 30,794 72,638 81,963 56,515	13,598 15,083 27,463 47,510 40,455	1,416 1,499 42,657 33,053	9,330 12,878 297 241 80 129	2,221 1,159 1,168	1914 1913 1912 1911 1910 1909	(1)	320, 918 314, 248 453, 602 414, 273 370, 968 (1)	19,941 27,046 34,616 45,057 37,465 6,090	100			19,941 26,946 34,616 45,057 37,465 6,090
1910. 1909. Sweden— 1914. 1913.			56, 515 74, 424 59, 489 49, 316 22, 121 22, 564 15, 088	33,807 31,705 27,215 19,348 21,108 12,748	2,526	129 107 374 177 280 317	3,038 227 70 261	Mexico; 1914 1913 1912 1911 1910 1909	(1) (1) (1) (1)	181,797 248,331 247,383 260,778 191,913 (1)	3,491 17,692	1,366 1,119 2,082 762 4,390	65	40 231	2,085 16,342 77,113 15,276 10,235 7,991

¹ Amounts not published separately.

Liverpool, England, has long been the world's greatest market and clearing house for cotton, and the receipts at this port include cotton from all of the producing countries. Accordingly the cotton situation has a special interest in this city, and a number of publications relating to cotton are issued. Among others, the Liverpool Cotton Association compiles and publishes reports regarding the movement of

cotton. The reports include statistics of stocks on hand at Liverpool and at other ports, of cotton affoat, and of takings by the British and continental mills. Table 34, which shows cotton on hand at Liverpool, London, Bremen, Havre, Bombay, and Alexandria, and cotton affoat to the United Kingdom and to the continent, has been compiled principally from the reports of this association.

Table 34.—STOCKS OF COTTON ON HAND AT SELECTED PORTS AND COTTON AFLOAT TO GREAT BRITAIN AND TO THE CONTINENT ON THE FRIDAY NEAREST MARCH 1: 1910 TO 1914.

PORT AND YEAR.	Total.	American.	Bra- zilian.	Egyp- tian.	Peru- vian.	All other.	FORT AND YEAR.	Total.	American.	Bra- zilian.	Egyp- tian.	Peru- vian.	All other.
	STOCKS OF	COTTON HEI	D ON THE		EAREST I	MARCH 1		STOCKS OF COTTON HELD ON THE FRIDAY NEAR (RUNNING BALES)—continued.					MARCH 1
Europe: Liverpool— 1914. 1913. 1912. 1911. 1910. London— 1914. 1913. 1912.	1,402,220 1,113,140 1,299,190 933,810 4,775	908, 330 1, 252, 520 1, 004, 400 1, 180, 920 864, 310	100, 220 42, 470 16, 270 31, 830 9, 200			29, 510 12, 120 13, 100 10, 080 29, 100 4,775 8,379 3,168	Bombay: 1914 1913 1912 1911 1910 Alexandria: 1914 1913 1912 1911	655,000 604,000 442,000 549,000			260 000		
Bremen— 1914 1913 1912	567,000 505,000 525,800	560,000 503,000 524,000				7,000 2,000 1,800		COTTON	AFLOAT ON (RU	THE FRID INNING B		est marc	CH 1
Havre— 1914 1913 1912	416, 500	407,000			1	9,500 6,500 6,600	To Great Britain: 1914	333,000 181,000 410,000 173,000	281,000 131,000 362,000 141,000	15,000 6,000 2,000 4,000	24,000 18,000 35,000 18,000	6,000 15,000 6,000 4,000	7,000 11,000 5,000 6,000
Other continental ports— 1914	114,890 112,010 63,430	11,000		4,200		29, 830 22, 260 15, 130	To the Continent: 1914. 1913. 1912. 1911.	488, 000 346, 000 716, 000 559, 000	289,000 239,000		10,000 12,000 9,000		189,000 95,000 79,000 167,000

THE COLLECTION OF STATISTICS OF COTTON.

Cotton now leads all other fibers as a textile material. The position attained by this staple and its manufactures in the industrial and commercial world renders reliable information regarding it of great importance. The international trade in no other single article equals that in cotton and the products made from it. In its various stages—from the seed to the completed fabric—it furnishes employment to a considerable portion of the entire human race. It affects not only those who are engaged directly in producing, handling, and consuming the fiber and its products, but also large numbers who touch it, so to speak, as merchants, bankers, manufacturers of fertilizers and ginning machinery, and, in fact, some of those engaged in almost any line of endeavor.

While statistics of the imports and exports of cotton and of cotton manufactures have been collected for many years, it is only within comparatively recent years that any government has taken an active interest in the collection of statistics as to production, consumption, and stocks. The decennial censuses taken in the United States have since 1840 included reports on the production of cotton, and since 1880, of the acreage devoted to the crop, as returned by the planters; but the totals as thus obtained were never ready for publication until the crops to which they related had been marketed and consumed. Beginning with 1866, the United States Government, through the Department of Agriculture (at that time the Bureau of Agriculture), has each year issued reports of the acreage and production of cotton. These estimates, based on the statements of a large number of persons with more or less information regarding local conditions, frequently conflicted materially with the reports compiled by private enterprise, and were not received with that degree of confidence necessary to give steadiness to the cotton market or to guide the planter and the manufacturer in their operations. Thus, while the Government was making these efforts to supply impartial and guiding information, there yet remained a feeling of uncertainty and the need of a more direct and comprehensive method of determining the size of the crop and the rapidity of its movement.

In 1880 the Census Bureau attempted to obtain information of the production of cotton by a canvass of the ginneries, but the organization work was not so complete as it might have been, and records of the number of bales ginned by many of the ginners were not available. The results were therefore incomplete and unsatisfactory. Another effort in 1900 to determine

the production of cotton in this manner proved satisfactory to such extent that Congress, in the act establishing the permanent Census Bureau, authorized the compilation and publication of the number of bales of cotton ginned to specified dates during each ginning season and for the crop. The number of these reports has since been increased, so that now 10 reports of cotton ginned are collected and published each year—practically semimonthly reports during the ginning season.

Prior to the inauguration of this work by the Bureau of the Census in 1900, the methods employed by the Government and by the several private concerns engaged in compiling reports of the cotton production during the season were essentially the same. All of them consisted in comparing, revising, composing, and compiling the judgments, opinions, and conjectures of a greater or less number of correspondents or agents in various parts of the cotton-growing states. Obviously any improvement in such a method must consist in increasing the number of agents and in the growing skill of these agents in judging the crop in their respective territories at the time of making their reports. It is equally obvious that no degree of improvement possible to this method could free its reports from the element of doubt.

More accurate, because based upon the actual movement of cotton, and yet not determining the approximate size of the crop until the close of the cotton year, were the reports of commercial associations, such as the New Orleans Cotton Exchange. These associations secured, and do yet secure, reliable information of cotton arriving at ports and at selected interior points, of the overland movement to the Northern states and to Canada, and of the takings of the southern mills. The figures published by these associations, though reliable, were at best partial and merely indicative. They indicated perchance a larger or a smaller crop, or perhaps a more rapid or a slower movement of the crop, and this element of doubt, arising from the very incompleteness of the reports, was used to its extreme possibilities by some of those who operated in the cotton market. That unknown quantity of cotton held at unselected points and by the growers themselves, which, in trade parlance, had not come "into sight," was so considerable as to leave room for wild speculation. To illustrate: The report of the New Orleans Cotton Exchange, that 11,575,304 bales had come into sight to the close of January, 1914, betrays the inadequacy of this information for judging the size of the crop when compared with the census report of January 23, showing that, prior to January 16, 13,589,171 bales had been ginned from the crop grown in 1913.

Thus the methods employed by the Bureau of the Census in determining the production of cotton before the close of the cotton year bear the relation to all other methods which accuracy, certainty, and confidence bear to conjecture, uncertainty, and doubt.

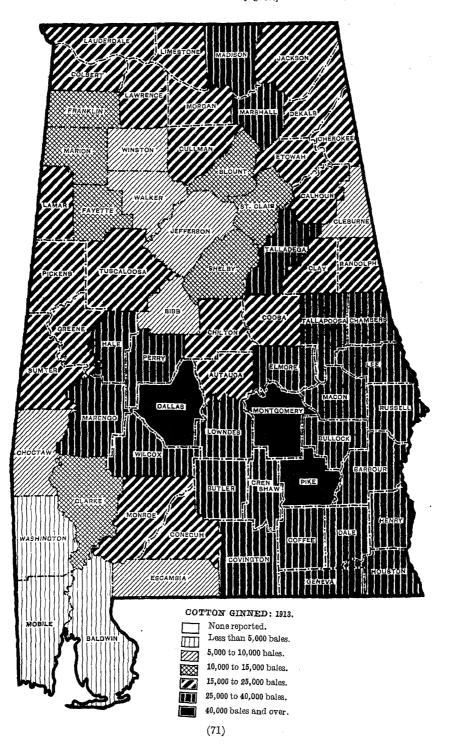
The success attending this bureau's compilation of the reports of cotton ginned resulted in Congress authorizing, in 1905, the collection of reports regarding the supply and distribution of cotton for years ending August 31. Since then this authorization was enlarged by the joint resolution approved March 2, 1909, and the act of July 22, 1912, so that, at the present time, reports are collected and published showing the consumption, imports, exports, and stocks

of cotton, and the number of active consuming cotton spindles for each calendar month.

There is a demand for the collection in other important cotton-producing and cotton-consuming countries of information regarding this staple similar to that compiled and published by this bureau for the United States. Such arrangements have been made in India. Beginning with the crop of 1914, the Indian Government will collect information as to the production of cotton in that country by canvassing the pressing establishments. This method should result in the compilation and promulgation of accurate reports regarding the production of cotton in that country. The Governments of Egypt and of Russia are giving the subject of cotton statistics more attention than formerly and it is probable that systems for determining the production of cotton by a canvass of the ginneries or the presses will be instituted.

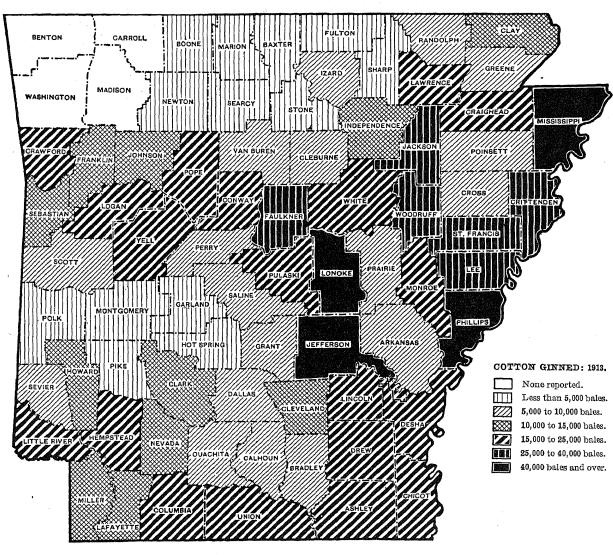
ALABAMA.

[See table on page 35.]



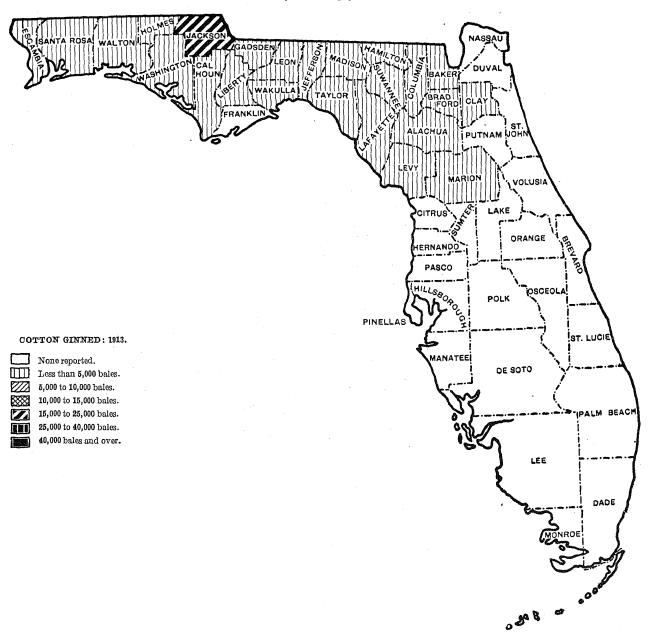
ARKANSAS.

[See table on page 36.]

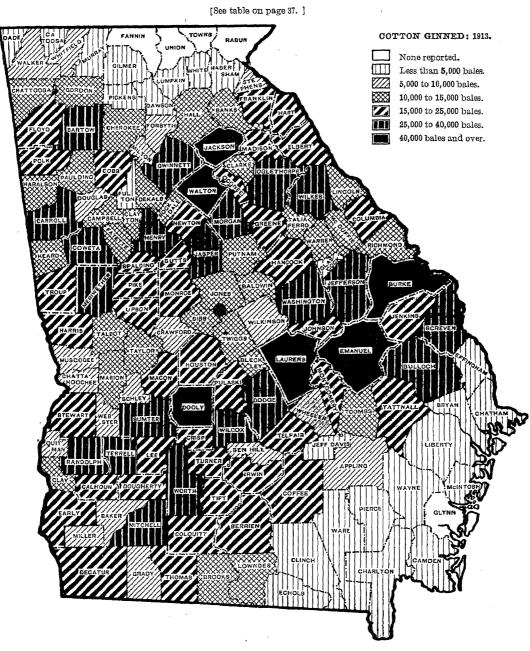


FLORIDA.

[See table on page 37.]

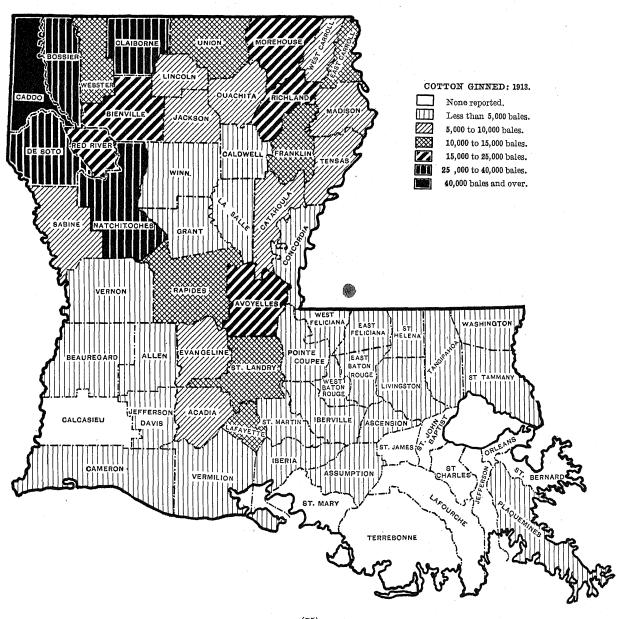


GEORGIA.



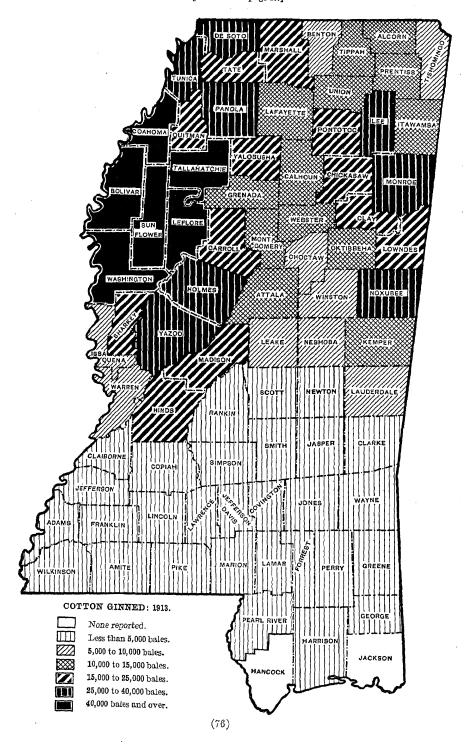
LOUISIANA.

[See table on page 39.]



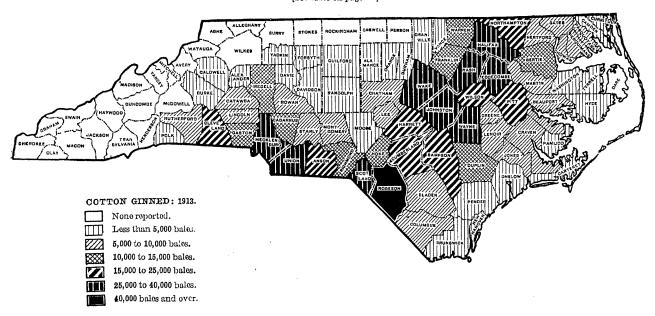
MISSISSIPPI.

[See table on page 40.]



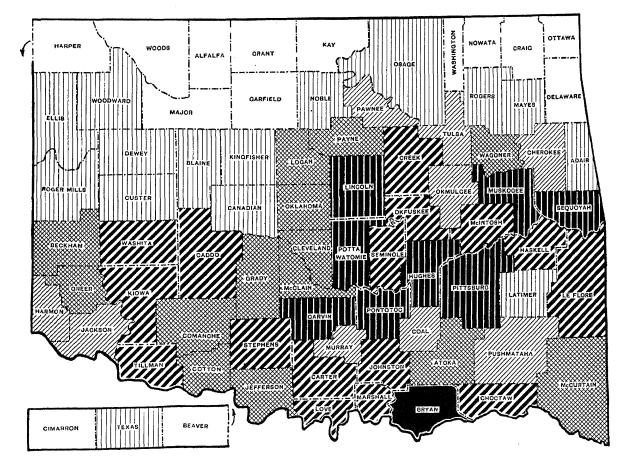
NORTH CAROLINA.

[See table on page 41.]



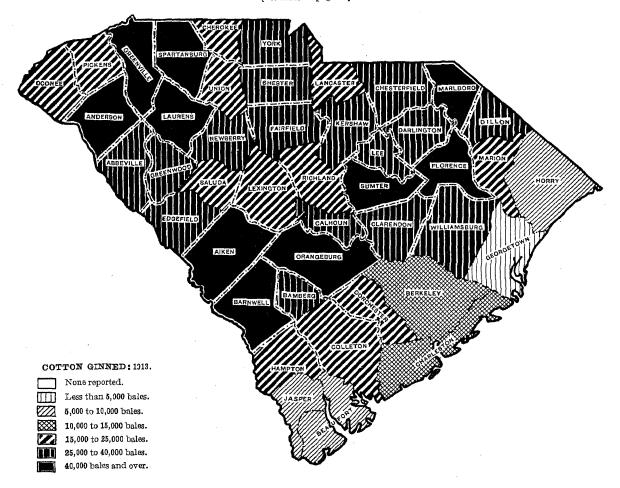
OKLAHOMA.

[See table on page 42.]



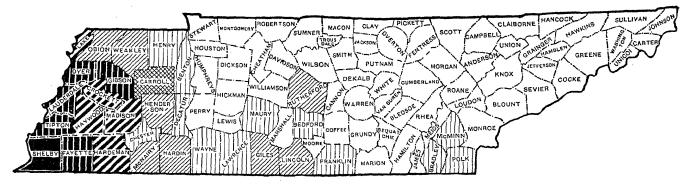
SOUTH CAROLINA.

[See table on page 43.]



TENNESSEE.

[See table on page 44.]



TEXAS.

[See table on page 44.]

